Algebra II
Lesson #2 Unit 10
Class Worksheet #2
For Worksheets #2 & #3

This lesson will discuss rational exponents.

This lesson will discuss rational exponents.

These are exponents that are rational numbers.

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These are exponents that are rational numbers (fractions).

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Here is a definition.

This lesson will discuss rational exponents.

These are exponents that are rational numbers (<u>fractions</u>).

Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

This lesson will discuss rational exponents.

These are exponents that are rational numbers (<u>fractions</u>).

Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$.

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These are exponents that are rational numbers (<u>fractions</u>).

Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$.

$8^{(1/3)} =$

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Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8}$$

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These are exponents that are rational numbers (fractions).

Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$**.**

$$8^{(1/3)} = \sqrt[3]{8}$$

Before we continue, it is important that this equation make sense.

This lesson will discuss rational exponents.

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Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$**.**

$$8^{(1/3)} = \sqrt[3]{8}$$

Before we continue, it is important that this equation make sense.

First, we know that the cube root of 8 is the number which, when cubed, is equal to 8.

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$$8^{(1/3)} = \sqrt[3]{8}$$

Before we continue, it is important that this equation make sense.

First, we know that the cube root of 8 is the number which, when cubed, is equal to 8.

Now, consider cubing this expression.

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Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8}$$

Before we continue, it is important that this equation make sense.

First, we know that the cube root of 8 is the number which, when cubed, is equal to 8.

Now, consider cubing this expression.

$$[8^{(1/3)}]^3 =$$

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$$8^{(1/3)} = \sqrt[3]{8}$$

Before we continue, it is important that this equation make sense.

First, we know that the cube root of 8 is the number which, when cubed, is equal to 8.

Now, consider cubing this expression.

$$[8^{(1/3)}]^3 =$$

Multiply these exponents.

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We will use this definition to evaluate $8^{(1/3)}$**.**

$$8^{(1/3)} = \sqrt[3]{8}$$

Before we continue, it is important that this equation make sense.

First, we know that the cube root of 8 is the number which, when cubed, is equal to 8.

Now, consider cubing this expression.

$$[8^{(1/3)}]^3 = 8^1$$

Multiply these exponents.

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We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8}$$

Before we continue, it is important that this equation make sense.

First, we know that the cube root of 8 is the number which, when cubed, is equal to 8.

Now, consider cubing this expression.

$$[8^{(1/3)}]^3 = 8^1 =$$

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We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8}$$

Before we continue, it is important that this equation make sense.

First, we know that the cube root of 8 is the number which, when cubed, is equal to 8.

Now, consider cubing this expression.

$$[8^{(1/3)}]^3 = 8^1 = 8 \text{ !!}$$

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We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8}$$

Before we continue, it is important that this equation make sense.

First, we know that the cube root of 8 is the number which, when cubed, is equal to 8.

Now, consider cubing this expression.

$$[8^{(1/3)}]^3 = 8^1 = 8 \text{ !!}$$

Therefore, $8^{(1/3)}$ is equal to the cube root of 8.

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$$8^{(1/3)} = \sqrt[3]{8}$$

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Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8}$$

Therefore, $8^{(1/3)} =$

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These are exponents that are rational numbers (fractions).

Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8}$$

Therefore, $8^{(1/3)} = 2$

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Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8}$$

Therefore, $8^{(1/3)} = 2$

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We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

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These are exponents that are rational numbers (<u>fractions</u>).

Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$.

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These are exponents that are rational numbers (<u>fractions</u>).

Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$. Using the properties of exponents,

$$8^{(2/3)} =$$

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These are exponents that are rational numbers (fractions).

Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$. Using the properties of exponents,

$$8^{(2/3)} = [8^{(1/3)}]^2$$

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We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$. Using the properties of exponents,

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2$$

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These are exponents that are rational numbers (fractions).

Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$. Using the properties of exponents,

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2$$

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Here is a definition. $B^{(1/n)} = \sqrt[n]{B}$

We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$. Using the properties of exponents,

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2 = 4$$

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We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$. Using the properties of exponents,

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2 = 4$$

Another way to approach the same problem is

$$8^{(2/3)} =$$

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We will use this definition to evaluate $8^{(1/3)}$.

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Now, we will evaluate $8^{(2/3)}$. Using the properties of exponents,

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2 = 4$$

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$$8^{(2/3)} = [8^2]^{(1/3)}$$

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We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$. **Using the properties of exponents,**

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2 = 4$$

Another way to approach the same problem is

$$8^{(2/3)} = [8^2]^{(1/3)} = \sqrt[3]{8^2}$$

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We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$. Using the properties of exponents,

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2 = 4$$

Another way to approach the same problem is

$$8^{(2/3)} = [8^2]^{(1/3)} = \sqrt[3]{8^2} = \sqrt[3]{64}$$

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We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$. Using the properties of exponents,

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2 = 4$$

Another way to approach the same problem is

$$8^{(2/3)} = [8^2]^{(1/3)} = \sqrt[3]{8^2} = \sqrt[3]{64} = 4$$

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We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$. **Using the properties of exponents,**

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2 = 4$$

Another way to approach the same problem is

$$8^{(2/3)} = [8^2]^{(1/3)} = \sqrt[3]{8^2} = \sqrt[3]{64} = 4$$

In general,

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$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$. **Using the properties of exponents,**

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2 = 4$$

Another way to approach the same problem is

$$8^{(2/3)} = [8^2]^{(1/3)} = \sqrt[3]{8^2} = \sqrt[3]{64} = 4$$

In general, $B^{(m/n)} =$

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We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$. **Using the properties of exponents,**

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2 = 4$$

Another way to approach the same problem is

$$8^{(2/3)} = [8^2]^{(1/3)} = \sqrt[3]{8^2} = \sqrt[3]{64} = 4$$

In general, $B^{(m/n)} = [\sqrt[n]{B}\,]^m$

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Now, we will evaluate $8^{(2/3)}$. **Using the properties of exponents,**

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2 = 4$$

Another way to approach the same problem is

$$8^{(2/3)} = [8^2]^{(1/3)} = \sqrt[3]{8^2} = \sqrt[3]{64} = 4$$

In general, $B^{(m/n)} = [\sqrt[n]{B}\,]^m$ **or**

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Now, we will evaluate $8^{(2/3)}$. **Using the properties of exponents,**

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2 = 4$$

Another way to approach the same problem is

$$8^{(2/3)} = [8^2]^{(1/3)} = \sqrt[3]{8^2} = \sqrt[3]{64} = 4$$

In general, $B^{(m/n)} = [\sqrt[n]{B}\,]^m$ **or** $B^{(m/n)} =$

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We will use this definition to evaluate $8^{(1/3)}$.

$$8^{(1/3)} = \sqrt[3]{8} = 2$$

Now, we will evaluate $8^{(2/3)}$. **Using the properties of exponents,**

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2 = 4$$

Another way to approach the same problem is

$$8^{(2/3)} = [8^2]^{(1/3)} = \sqrt[3]{8^2} = \sqrt[3]{64} = 4$$

In general, $B^{(m/n)} = [\sqrt[n]{B}\,]^m$ **or** $B^{(m/n)} = \sqrt[n]{B^m}$.

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Now, we will evaluate $8^{(2/3)}$. **Using the properties of exponents,**

$$8^{(2/3)} = [8^{(1/3)}]^2 = [\sqrt[3]{8}\,]^2 = 2^2 = 4$$

Another way to approach the same problem is

$$8^{(2/3)} = [8^2]^{(1/3)} = \sqrt[3]{8^2} = \sqrt[3]{64} = 4$$

In general, $B^{(m/n)} = [\sqrt[n]{B}\,]^m$ **or** $B^{(m/n)} = \sqrt[n]{B^m}$.

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} =$

2. $49^{(-1/2)} =$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} =$

2. $49^{(-1/2)} =$

3. $49^{(3/2)} =$

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Evaluate each of the following.

1. $49^{(1/2)} =$

2. $49^{(-1/2)} =$

3. $49^{(3/2)} =$

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Evaluate each of the following.

1. $49^{(1/2)} =$

2. $49^{(-1/2)} =$

3. $49^{(3/2)} =$

$B^{(1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} =$

2. $49^{(-1/2)} =$

3. $49^{(3/2)} =$

$B^{(1/2)} = \sqrt{B}$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} =$

$= \sqrt{49}$

$B^{(1/2)} = \sqrt{B}$

2. $49^{(-1/2)} =$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} =$

$= \sqrt{49}$

2. $49^{(-1/2)} =$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} =$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} =$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} =$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} =$

$B^{(-k)} =$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} =$

$B^{(-k)} = \frac{1}{B^k}$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} =$

$=$

$$B^{(-k)} = \frac{1}{B^k}$$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} =$

$= \dfrac{1}{49^{(1/2)}}$

$B^{(-k)} = \dfrac{1}{B^k}$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} =$

$= \dfrac{1}{49^{(1/2)}} =$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} =$

$= \dfrac{1}{49^{(1/2)}} =$

$B^{(1/2)} =$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} =$

$= \dfrac{1}{49^{(1/2)}} =$

$B^{(1/2)} = \sqrt{B}$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} =$

$= \dfrac{1}{49^{(1/2)}} = \dfrac{1}{\sqrt{49}}$

$B^{(1/2)} = \sqrt{B}$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} =$

$= \dfrac{1}{49^{(1/2)}} = \dfrac{1}{\sqrt{49}}$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} = 1/7$

$= \dfrac{1}{49^{(1/2)}} = \dfrac{1}{\sqrt{49}}$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} = 1/7$

$= \dfrac{1}{49^{(1/2)}} = \dfrac{1}{\sqrt{49}}$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} = 1/7$

$= \dfrac{1}{49^{(1/2)}} = \dfrac{1}{\sqrt{49}}$

3. $49^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} = 1/7$

$= \frac{1}{49^{(1/2)}} = \frac{1}{\sqrt{49}}$

3. $49^{(3/2)} =$

$B^{(m/n)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} = 1/7$

$= \dfrac{1}{49^{(1/2)}} = \dfrac{1}{\sqrt{49}}$

3. $49^{(3/2)} =$

$B^{(m/n)} = [\sqrt[n]{B}\,]^m$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} = 1/7$

$= \dfrac{1}{49^{(1/2)}} = \dfrac{1}{\sqrt{49}}$

3. $49^{(3/2)} =$

$=$

$B^{(m/n)} = [\sqrt[n]{B}\,]^m$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} =$ **7**

$= \sqrt{49}$

2. $49^{(-1/2)} =$ **1/7**

$= \dfrac{1}{49^{(1/2)}} = \dfrac{1}{\sqrt{49}}$

3. $49^{(3/2)} =$

$= [\sqrt{49}\,]^3$

$B^{(m/n)} = [\sqrt[n]{B}\,]^m$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} = 1/7$

$= \dfrac{1}{49^{(1/2)}} = \dfrac{1}{\sqrt{49}}$

3. $49^{(3/2)} =$

$= [\sqrt{49}\,]^3 =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} = 1/7$

$= \dfrac{1}{49^{(1/2)}} = \dfrac{1}{\sqrt{49}}$

3. $49^{(3/2)} =$

$= [\sqrt{49}\,]^3 = 7^3$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} = 1/7$

$= \dfrac{1}{49^{(1/2)}} = \dfrac{1}{\sqrt{49}}$

3. $49^{(3/2)} = 343$

$= [\sqrt{49}\,]^3 = 7^3$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} =$ **7**

$= \sqrt{49}$

2. $49^{(-1/2)} =$ **1/7**

$= \dfrac{1}{49^{(1/2)}} = \dfrac{1}{\sqrt{49}}$

3. $49^{(3/2)} =$ **343**

$= [\sqrt{49}\,]^3 = 7^3$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

1. $49^{(1/2)} = 7$

$= \sqrt{49}$

2. $49^{(-1/2)} = 1/7$

$= \dfrac{1}{49^{(1/2)}} = \dfrac{1}{\sqrt{49}}$

3. $49^{(3/2)} = 343$

$= [\sqrt{49}\,]^3 = 7^3$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} =$

5. $27^{(2/3)} =$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} =$

5. $27^{(2/3)} =$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} =$

5. $27^{(2/3)} =$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} =$

5. $27^{(2/3)} =$

6. $27^{(-2/3)} =$

$B^{(1/n)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} =$

5. $27^{(2/3)} =$

6. $27^{(-2/3)} =$

$$B^{(1/n)} = \sqrt[n]{B}$$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} =$

$=$

$B^{(1/n)} = \sqrt[n]{B}$

5. $27^{(2/3)} =$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} =$

$= \sqrt[3]{27}$

$B^{(1/n)} = \sqrt[n]{B}$

5. $27^{(2/3)} =$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} =$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} =$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} =$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} =$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} =$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} =$

$B^{(m/n)} =$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} =$

$B^{(m/n)} = [\sqrt[n]{B}\,]^m$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} =$

$=$

$B^{(m/n)} = [\sqrt[n]{B}\,]^m$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} =$

$= [\sqrt[3]{27}]^2$

$B^{(m/n)} = [\sqrt[n]{B}]^m$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} =$

$= [\sqrt[3]{27}]^2 =$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} =$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} = 9$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} = 9$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} = 9$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} = 9$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} =$

$B^{-k} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} = 9$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} =$

$B^{-k} = 1/B^k$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} = 9$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} =$

$=$

$B^{-k} = 1/B^k$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} = 9$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} =$

$= \dfrac{1}{27^{(2/3)}}$

$B^{-k} = 1/B^k$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} = 9$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} =$

$= \dfrac{1}{27^{(2/3)}} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} = 9$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} =$

$= \dfrac{1}{27^{(2/3)}} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} = 9$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} = 1/9$

$= \dfrac{1}{27^{(2/3)}} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} = 9$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} = 1/9$

$= \dfrac{1}{27^{(2/3)}} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} = 9$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} = 1/9$

$= \dfrac{1}{27^{(2/3)}} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

4. $27^{(1/3)} = 3$

$= \sqrt[3]{27} =$

5. $27^{(2/3)} = 9$

$= [\sqrt[3]{27}]^2 = 3^2$

6. $27^{(-2/3)} = 1/9$

$= \dfrac{1}{27^{(2/3)}} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} =$

8. $(4/25)^{(-3/2)} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} =$

8. $(4/25)^{(-3/2)} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} =$

8. $(4/25)^{(-3/2)} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} =$

$B^{(1/2)} =$

8. $(4/25)^{(-3/2)} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} =$

$B^{(1/2)} = \sqrt{B}$

8. $(4/25)^{(-3/2)} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} =$

$=$

$B^{(1/2)} = \sqrt{B}$

8. $(4/25)^{(-3/2)} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} =$

$= \sqrt{4/25}$

$B^{(1/2)} = \sqrt{B}$

8. $(4/25)^{(-3/2)} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} =$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

$(A/B)^{-k} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

$(A/B)^{-k} = (B/A)^{k}$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

$=$

$(A/B)^{-k} = (B/A)^{k}$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

$= (25/4)^{(3/2)}$

$(A/B)^{-k} = (B/A)^{k}$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

$= (25/4)^{(3/2)} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

$= (25/4)^{(3/2)} =$

$B^{(m/n)} =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

$= (25/4)^{(3/2)} =$

9. $(27/64)^{(-2/3)} =$

$$B^{(m/n)} = [\sqrt[n]{B}\,]^m$$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

$= (25/4)^{(3/2)} =$

$=$

$B^{(m/n)} = [\sqrt[n]{B}\,]^m$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3$

$B^{(m/n)} = [\sqrt[n]{B}\,]^m$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$=$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} =$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

$(A/B)^{-k} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

$(A/B)^{-k} = (B/A)^k$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

$=$

$(A/B)^{-k} = (B/A)^k$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

$= (64/27)^{(2/3)}$

$(A/B)^{-k} = (B/A)^k$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

$= (64/27)^{(2/3)}$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

$= (64/27)^{(2/3)}$

$B^{(m/n)} =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

$= (64/27)^{(2/3)}$

$B^{(m/n)} = [\sqrt[n]{B}\,]^m$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

$= (64/27)^{(2/3)} =$

$=$

$B^{(m/n)} = [\sqrt[n]{B}\,]^m$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

$= (64/27)^{(2/3)} =$

$= [\sqrt[3]{64/27}\,]^2$

$B^{(m/n)} = [\sqrt[n]{B}\,]^m$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

$= (64/27)^{(2/3)} =$

$= [\sqrt[3]{64/27}\,]^2 =$

$=$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

$= (64/27)^{(2/3)} =$

$= [\sqrt[3]{64/27}\,]^2 =$

$= (4/3)^2$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} =$

$= (64/27)^{(2/3)} =$

$= [\sqrt[3]{64/27}\,]^2 =$

$= (4/3)^2 =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} = 16/9$

$= (64/27)^{(2/3)} =$

$= [\sqrt[3]{64/27}\,]^2 =$

$= (4/3)^2 =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} = 16/9$

$= (64/27)^{(2/3)} =$

$= [\sqrt[3]{64/27}\,]^2 =$

$= (4/3)^2 =$

Algebra II Class Worksheet #2 Unit 10

Evaluate each of the following.

7. $(4/25)^{(1/2)} = 2/5$

$= \sqrt{4/25} =$

8. $(4/25)^{(-3/2)} = 125/8$

$= (25/4)^{(3/2)} =$

$= [\sqrt{25/4}\,]^3 =$

$= (5/2)^3 =$

9. $(27/64)^{(-2/3)} = 16/9$

$= (64/27)^{(2/3)} =$

$= [\sqrt[3]{64/27}\,]^2 =$

$= (4/3)^2 =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} =$ **11.** $5^{(-1/2)} =$ **12.** $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} =$ **11.** $5^{(-1/2)} =$ **12.** $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} =$

11. $5^{(-1/2)} =$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} =$

$B^{(1/2)} =$

11. $5^{(-1/2)} =$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} =$

$$B^{(1/2)} = \sqrt{B}$$

11. $5^{(-1/2)} =$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

$B^{(1/2)} = \sqrt{B}$

11. $5^{(-1/2)} =$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} =$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} =$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} =$

$B^{(-k)} =$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} =$

12. $5^{(3/2)} =$

$$B^{(-k)} = \frac{1}{B^k}$$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} =$

$=$

$$B^{(-k)} = \frac{1}{B^k}$$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} =$

$= \dfrac{1}{5^{(1/2)}}$

$B^{(-k)} = \dfrac{1}{B^k}$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} =$

$= \dfrac{1}{5^{(1/2)}}$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} =$

$= \dfrac{1}{5^{(1/2)}} =$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} =$

$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}}$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} =$

$$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}}$$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} =$

$$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$$

$$=$$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} =$

$$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$$

$$= \frac{\sqrt{5}}{\sqrt{25}}$$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} =$

$$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$$

$$= \frac{\sqrt{5}}{\sqrt{25}} =$$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \frac{\sqrt{5}}{5}$

$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \frac{\sqrt{5}}{5}$

$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \frac{\sqrt{5}}{5}$

$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \frac{\sqrt{5}}{5}$

$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} =$

$B^{(m/n)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \dfrac{\sqrt{5}}{5}$

$= \dfrac{1}{5^{(1/2)}} = \dfrac{1}{\sqrt{5}} \cdot \dfrac{\sqrt{5}}{\sqrt{5}} =$

$= \dfrac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} =$

$B^{(m/n)} = \sqrt[n]{B^m}$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \dfrac{\sqrt{5}}{5}$

$= \dfrac{1}{5^{(1/2)}} = \dfrac{1}{\sqrt{5}} \cdot \dfrac{\sqrt{5}}{\sqrt{5}} =$

$= \dfrac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} =$

$=$

$B^{(m/n)} = \sqrt[n]{B^m}$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \dfrac{\sqrt{5}}{5}$

$= \dfrac{1}{5^{(1/2)}} = \dfrac{1}{\sqrt{5}} \cdot \dfrac{\sqrt{5}}{\sqrt{5}} =$

$= \dfrac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} =$

$= \sqrt{5^3}$

$B^{(m/n)} = \sqrt[n]{B^m}$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \dfrac{\sqrt{5}}{5}$

$= \dfrac{1}{5^{(1/2)}} = \dfrac{1}{\sqrt{5}} \cdot \dfrac{\sqrt{5}}{\sqrt{5}} =$

$= \dfrac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} =$

$= \sqrt{5^3} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \dfrac{\sqrt{5}}{5}$

$= \dfrac{1}{5^{(1/2)}} = \dfrac{1}{\sqrt{5}} \cdot \dfrac{\sqrt{5}}{\sqrt{5}} =$

$= \dfrac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} =$

$= \sqrt{5^3} = \sqrt{125}$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \frac{\sqrt{5}}{5}$

$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} =$

$= \sqrt{5^3} = \sqrt{125} =$

$=$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \dfrac{\sqrt{5}}{5}$

$= \dfrac{1}{5^{(1/2)}} = \dfrac{1}{\sqrt{5}} \cdot \dfrac{\sqrt{5}}{\sqrt{5}} =$

$= \dfrac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} =$

$= \sqrt{5^3} = \sqrt{125} =$

$= \sqrt{25} \cdot \sqrt{5}$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \frac{\sqrt{5}}{5}$

$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} =$

$= \sqrt{5^3} = \sqrt{125} =$

$= \sqrt{25} \cdot \sqrt{5} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \frac{\sqrt{5}}{5}$

$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} = 5\sqrt{5}$

$= \sqrt{5^3} = \sqrt{125} =$

$= \sqrt{25} \cdot \sqrt{5} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \frac{\sqrt{5}}{5}$

$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} = 5\sqrt{5}$

$= \sqrt{5^3} = \sqrt{125} =$

$= \sqrt{25} \cdot \sqrt{5} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

10. $5^{(1/2)} = \sqrt{5}$

11. $5^{(-1/2)} = \frac{\sqrt{5}}{5}$

$= \frac{1}{5^{(1/2)}} = \frac{1}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{25}} =$

12. $5^{(3/2)} = 5\sqrt{5}$

$= \sqrt{5^3} = \sqrt{125} =$

$= \sqrt{25} \cdot \sqrt{5} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$ **14.** $18^{(1/2)} =$ **15.** $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

$B^{(-k)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

$$B^{(-k)} = \frac{1}{B^k}$$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

$=$

$$B^{(-k)} = \frac{1}{B^k}$$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

$= \dfrac{1}{5^{(3/2)}}$

$B^{(-k)} = \dfrac{1}{B^{k}}$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

$= \dfrac{1}{5^{(3/2)}} =$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

$= \dfrac{1}{5^{(3/2)}} =$

$B^{(m/n)} =$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

$= \dfrac{1}{5^{(3/2)}} =$

$B^{(m/n)} = \sqrt[n]{B^m}$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

$$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}}$$

$$B^{(m/n)} = \sqrt[n]{B^m}$$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

$= \dfrac{1}{5^{(3/2)}} = \dfrac{1}{\sqrt{5^3}} =$

$=$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

$= \dfrac{1}{5^{(3/2)}} = \dfrac{1}{\sqrt{5^3}} =$

$= \dfrac{1}{\sqrt{125}}$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

$$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$$

$$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}}$$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

$= \dfrac{1}{5^{(3/2)}} = \dfrac{1}{\sqrt{5^3}} =$

$= \dfrac{1}{\sqrt{125}} \cdot \dfrac{\sqrt{5}}{\sqrt{5}} =$

$=$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

$$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$$

$$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$$

$$= \frac{\sqrt{5}}{\sqrt{625}}$$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} =$

$$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$$

$$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$$

$$= \frac{\sqrt{5}}{\sqrt{625}} =$$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \dfrac{\sqrt{5}}{25}$

$= \dfrac{1}{5^{(3/2)}} = \dfrac{1}{\sqrt{5^3}} =$

$= \dfrac{1}{\sqrt{125}} \cdot \dfrac{\sqrt{5}}{\sqrt{5}} =$

$= \dfrac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \dfrac{\sqrt{5}}{25}$

$= \dfrac{1}{5^{(3/2)}} = \dfrac{1}{\sqrt{5^3}} =$

$= \dfrac{1}{\sqrt{125}} \cdot \dfrac{\sqrt{5}}{\sqrt{5}} =$

$= \dfrac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} =$

$B^{(1/2)} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \dfrac{\sqrt{5}}{25}$

$= \dfrac{1}{5^{(3/2)}} = \dfrac{1}{\sqrt{5^3}} =$

$= \dfrac{1}{\sqrt{125}} \cdot \dfrac{\sqrt{5}}{\sqrt{5}} =$

$= \dfrac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} =$

$B^{(1/2)} = \sqrt{B}$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} =$

$=$

$B^{(1/2)} = \sqrt{B}$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} =$

$= \sqrt{18}$

$B^{(1/2)} = \sqrt{B}$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} =$

$= \sqrt{18} =$

$=$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} =$

$= \sqrt{18} =$

$= \sqrt{9} \cdot \sqrt{2}$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} =$

$= \sqrt{18} =$

$= \sqrt{9} \cdot \sqrt{2} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} = 3\sqrt{2}$

$= \sqrt{18} =$

$= \sqrt{9} \cdot \sqrt{2} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} = 3\sqrt{2}$

$= \sqrt{18} =$

$= \sqrt{9} \cdot \sqrt{2} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} = 3\sqrt{2}$

$= \sqrt{18} =$

$= \sqrt{9} \cdot \sqrt{2} =$

15. $18^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} = 3\sqrt{2}$

$= \sqrt{18} =$

$= \sqrt{9} \cdot \sqrt{2} =$

15. $18^{(-1/2)} =$

$B^{(-k)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} = 3\sqrt{2}$

$= \sqrt{18} =$

$= \sqrt{9} \cdot \sqrt{2} =$

15. $18^{(-1/2)} =$

$B^{(-k)} = \frac{1}{B^k}$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} = 3\sqrt{2}$

$= \sqrt{18} =$

$= \sqrt{9} \cdot \sqrt{2} =$

15. $18^{(-1/2)} =$

$=$

$B^{(-k)} = \frac{1}{B^k}$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} = 3\sqrt{2}$

$= \sqrt{18} =$

$= \sqrt{9} \cdot \sqrt{2} =$

15. $18^{(-1/2)} =$

$= \frac{1}{18^{(1/2)}}$

$B^{(-k)} = \frac{1}{B^k}$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} = 3\sqrt{2}$

$= \sqrt{18} =$

$= \sqrt{9} \cdot \sqrt{2} =$

15. $18^{(-1/2)} =$

$= \frac{1}{18^{(1/2)}} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

$= \frac{1}{5^{(3/2)}} = \frac{1}{\sqrt{5^3}} =$

$= \frac{1}{\sqrt{125}} \cdot \frac{\sqrt{5}}{\sqrt{5}} =$

$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} = 3\sqrt{2}$

$= \sqrt{18} =$

$= \sqrt{9} \cdot \sqrt{2} =$

15. $18^{(-1/2)} =$

$= \frac{1}{18^{(1/2)}} =$

$B^{(1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \dfrac{\sqrt{5}}{25}$

$= \dfrac{1}{5^{(3/2)}} = \dfrac{1}{\sqrt{5^3}} =$

$= \dfrac{1}{\sqrt{125}} \cdot \dfrac{\sqrt{5}}{\sqrt{5}} =$

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$B^{(1/2)} = \sqrt{B}$

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15. $18^{(-1/2)} =$

$= \frac{1}{18^{(1/2)}} =$

$= \frac{1}{\sqrt{18}} \cdot \frac{\sqrt{2}}{\sqrt{2}}$

Algebra II Class Worksheet #2 Unit 10

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13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

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$= \sqrt{9} \cdot \sqrt{2} =$

15. $18^{(-1/2)} =$

$= \frac{1}{18^{(1/2)}} =$

$= \frac{1}{\sqrt{18}} \cdot \frac{\sqrt{2}}{\sqrt{2}} =$

$= \frac{\sqrt{2}}{\sqrt{36}}$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

13. $5^{(-3/2)} = \frac{\sqrt{5}}{25}$

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$= \frac{\sqrt{5}}{\sqrt{625}} =$

14. $18^{(1/2)} = 3\sqrt{2}$

$= \sqrt{18} =$

$= \sqrt{9} \cdot \sqrt{2} =$

15. $18^{(-1/2)} = \frac{\sqrt{2}}{6}$

$= \frac{1}{18^{(1/2)}} =$

$= \frac{1}{\sqrt{18}} \cdot \frac{\sqrt{2}}{\sqrt{2}} =$

$= \frac{\sqrt{2}}{\sqrt{36}} =$

Algebra II Class Worksheet #2 Unit 10

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$= \frac{1}{18^{(1/2)}} =$

$= \frac{1}{\sqrt{18}} \cdot \frac{\sqrt{2}}{\sqrt{2}} =$

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$= \frac{1}{\sqrt{18}} \cdot \frac{\sqrt{2}}{\sqrt{2}} =$

$= \frac{\sqrt{2}}{\sqrt{36}} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

16. $(5/9)^{(1/2)} =$ **17.** $(5/9)^{(-1/2)} =$ **18.** $(3/8)^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

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Algebra II Class Worksheet #2 Unit 10

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16. $(5/9)^{(1/2)} =$

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18. $(3/8)^{(-1/2)} =$

$B^{(1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

16. $(5/9)^{(1/2)} =$

17. $(5/9)^{(-1/2)} =$

18. $(3/8)^{(-1/2)} =$

$$B^{(1/2)} = \sqrt{B}$$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

16. $(5/9)^{(1/2)} =$

$=$

$B^{(1/2)} = \sqrt{B}$

17. $(5/9)^{(-1/2)} =$

18. $(3/8)^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

16. $(5/9)^{(1/2)} =$

$= \sqrt{5/9}$

$B^{(1/2)} = \sqrt{B}$

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Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

16. $(5/9)^{(1/2)} =$

$$= \sqrt{5/9} = \frac{\sqrt{5}}{\sqrt{9}}$$

17. $(5/9)^{(-1/2)} =$

18. $(3/8)^{(-1/2)} =$

Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

16. $(5/9)^{(1/2)} =$

$= \sqrt{5/9} = \dfrac{\sqrt{5}}{\sqrt{9}} =$

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Algebra II Class Worksheet #2 Unit 10

Express each of the following using standard radical form.

16. $(5/9)^{(1/2)} = \frac{\sqrt{5}}{3}$

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$(A/B)^{-k} =$

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$(A/B)^{-k} = (B/A)^{k}$

18. $(3/8)^{(-1/2)} =$

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18. $(3/8)^{(-1/2)} =$

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18. $(3/8)^{(-1/2)} =$

$= (8/3)^{(1/2)} = \sqrt{8/3}$

$B^{(1/2)} = \sqrt{B}$

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