

# Algebra I Class Worksheet #1 Unit 1 page 1 \_\_\_\_\_

Evaluate each of the following arithmetic expressions.

1.  $9 - 2 \cdot 3 =$

2.  $12 \div 2 \cdot 8 =$

3.  $16 + 6 \div 2 =$

4.  $24 - 10 + 6 =$

5.  $24 \div 6 \div 2 =$

6.  $20 - 12 \div 3 =$

7.  $13 - 6 - 2 =$

8.  $6 + 3 \cdot 4 + 5 =$

9.  $5 \cdot 6 - 4 \div 2 =$

10.  $6 + 24 \div 3 \cdot 4 =$

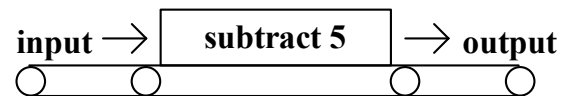
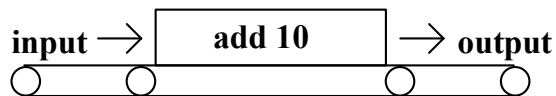
11.  $(5 + 7) \cdot 2 =$

12.  $12 \div (4 - 2) =$

13.  $18 - (2 + 12) =$

14.  $(3 + 4) \cdot (2 + 6) =$

Complete the table for each input-output chart shown.

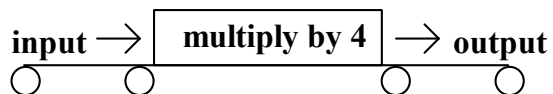


	input	output
15.	5	
16.	2	
17.	47	
18.	93	
19.	x	

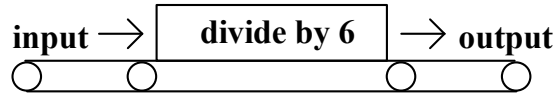
	input	output
20.	8	
21.	12	
22.	29	
23.	101	
24.	y	

## Algebra I Class Worksheet #1 Unit 1 page 2

Complete the table for each input-output chart shown.



	input	output
25.	3	
26.	7	
27.	11	
28.	25	
29.	n	



	input	output
30.	18	
31.	30	
32.	54	
33.	240	
34.	x	

Evaluate each of the following algebraic expressions for the given value of the variable.

35. Evaluate  $x + 4$ , if  $x = 8$ .

36. Evaluate  $x - 4$ , if  $x = 8$ .

37. Evaluate  $4x$ , if  $x = 8$ .

38. Evaluate  $x \div 4$ , if  $x = 8$ .

39. Evaluate  $2x + 7$ , if  $x = 3$ .

40. Evaluate  $2(x + 7)$ , if  $x = 3$ .

41. Evaluate  $3x - 10$ , if  $x = 6$ .

42. Evaluate  $3(x - 10)$ , if  $x = 6$ .