

## Calculus Worksheet #2 Unit 1 page 1 \_\_\_\_\_

Use the 4-step method to find  $f'(x)$  for each of the following functions. Show your work neatly organized on your work paper.

1.  $f(x) = x^2 + 5x - 2$

2.  $f(x) = 2x^2 - 7x + 3$

3.  $f(x) = 2 - 3x - x^2$

4.  $f(x) = x^3 + x^2 + x + 1$

## Calculus Worksheet #2 Unit 1 page 2

Use the 4-step method to find  $f'(x)$  for each of the following functions. Show your work neatly organized on your work paper.

5.  $f(x) = x^3 - 2x + 5$

6.  $f(x) = 2x^3 + 3x^2 + x - 3$

7.  $f(x) = x^3 - 8$

8.  $f(x) = x^4$