

Name : \_\_\_\_\_

## Quadratic Function - Intercepts

Sheet 3

Find the  $x$ -intercept and  $y$ -intercept of each quadratic function.

1)  $f(x) = 6x^2 + 5x - 1$

2)  $f(x) = (x - 7)^2 - 49$

$x$ -intercept \_\_\_\_\_

$y$ -intercept is \_\_\_\_\_

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

$x$ -intercept is \_\_\_\_\_

$y$ -intercept \_\_\_\_\_

5)  $f(x) = (x + 2)^2 - 4$

$x$ -intercept are \_\_\_\_\_

$y$ -intercept is \_\_\_\_\_

7)  $f(x) = -2x^2 - 12x - 18$

$x$ -intercept are \_\_\_\_\_

$y$ -intercept is \_\_\_\_\_

9)  $f(x) = (2x - 1)(2x + 4)$

$x$ -intercepts are \_\_\_\_\_

$y$ -intercept is \_\_\_\_\_

10)  $f(x) = -(x + 3)(x + 1)$

$x$ -intercepts are \_\_\_\_\_

$y$ -intercept is \_\_\_\_\_

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