

Quadratic Function - Intercepts

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

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

 x -intercepts are _____ y -intercept is _____

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

 x -intercepts are _____ y -intercept is _____

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

 x -intercept is _____ y -intercept is _____

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

5) $f(x) = (x + 4)(x - 12)$

 x -intercepts are _____ y -intercept is _____

7) $f(x) = -2x^2 + 12x - 1$

 x -intercepts are _____ y -intercept is _____

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

 x -intercepts are _____ y -intercept is _____

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

 x -intercepts are _____ y -intercept is _____

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Quadratic Function - InterceptsFind the x -intercept and y -intercept of each quadratic function.

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

 x -intercepts are $(\frac{1}{6}, 0)$ and $(-1, 0)$ y -intercept is $(0, -1)$

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

 x -intercepts are $(0, 0)$ and $(14, 0)$ y -intercept is $(0, 0)$

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

 x -intercept is _____ y -intercept is _____

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

 $(5, 0)$ and $(7, 0)$ $(0, -175)$

5) $f(x) = (x + 4)(x - 12)$

 x -intercepts are _____ y -intercept is _____ $(4, 0)$ and $(-4, 0)$ $(0, -32)$

7) $f(x) = -2x^2 + 12x - 1$

 x -intercepts are _____ y -intercept is $(0, -16)$

2)

 $(-8, 0)$ and $(-2, 0)$ y -intercept is $(0, 64)$

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

 x -intercepts are $(2, 0)$ and $(-2, 0)$ y -intercept is $(0, -16)$

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

 x -intercepts are $(-3, 0)$ and $(-1, 0)$ y -intercept is $(0, -3)$

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