

Properties of Quadratic Function

Find the properties of each quadratic function.

1) $f(x) = x^2 + 2x - 8$

Domain : _____

Range : _____

 x -intercepts : _____ y -intercept : _____

Vertex : _____

Minimum value : _____

Axis of symmetry : _____

Open up or down : _____

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

Domain : _____

Range : _____

 x -intercepts : _____ y -intercept : _____

Vertex : _____

Maximum value : _____

Axis of symmetry : _____

Open up or down : _____

2) $f(x) = -4x^2 + 4x + 15$

Domain : _____

Range : _____

 x -intercepts : _____ y -intercept : _____

Vertex : _____

Minimum value : _____

Axis of symmetry : _____

Open up or down : _____

$f(x) = 2x + 6$

Domain : _____

Range : _____

 x -intercepts : _____ y -intercept : _____

Vertex : _____

Maximum value : _____

Axis of symmetry : _____

Open up or down : _____

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