

Properties of Quadratic Function

Find the properties of each quadratic function.

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

Domain : _____

Range : _____

 x -intercepts : _____ y -intercept : _____

Vertex : _____

Maximum value : _____

Axis of symmetry : _____

Open up or down : _____

3) $f(x) = 4x^2 + 12x - 72$

Domain : _____

Range : _____

 x -intercepts : _____ y -intercept : _____

Vertex : _____

Minimum value : _____

Axis of symmetry : _____

Open up or down : _____

2) $f(x) = 16x^2 + 24x + 5$

Domain : _____

Range : _____

 x -intercepts : _____ y -intercept : _____

Vertex : _____

Maximum value : _____

Axis of symmetry : _____

Open up or down : _____

$c - 8$

Domain : _____

Range : _____

 x -intercepts : _____ y -intercept : _____

Vertex : _____

Maximum value : _____

Axis of symmetry : _____

Open up or down : _____

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