

# Graphing Quadratic Functions

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A) Write each quadratic function in vertex form.

1)  $f(x) = -3x^2 + 24x - 41$

2)  $f(x) = 2x^2 + 9x + 10$

3)  $f(x) = 5x^2 - 12x + 7$

B) Find the vertex of each parabola.

1)  $f(x) = 4x^2 - 12x + 9$

## Preview

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vertex: \_\_\_\_\_

vertex: \_\_\_\_\_

3)  $f(x) = 7x^2 + 28x - 25$

4)  $f(x) = (5x - 3)(5x - 1)$

vertex: \_\_\_\_\_

vertex: \_\_\_\_\_