

Name \_\_\_\_\_

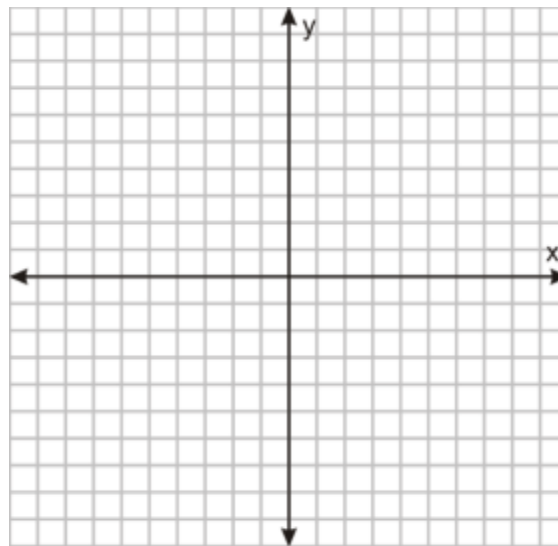
## HA2 Quadratics Test Review

1) Graph  $y = (x - 5)(x - 3)$

Vertex:

x	y

x-intercepts:



(Double-click to edit)

2)  $y = 16(x - 9)^2 + 7$

Vertex:

Axis of Symmetry:

3)  $y = 2x^2 + 24x + 70$

Vertex:

Axis of Symmetry:

Domain:

Max/Min value:

Range:

### #4-7: Simplify

4)  $(-5 + 8i) + (-1 - 2i)$

5)  $(6 + 3i) - (-4 + 5i)$

6)  $(2i)(-4 - i)$

7)  $(5 + 5i)(-3 + 6i)$

8) Solve by factoring:  $5x^2 - 3x - 15 = -7$

9) Solve with the quadratic formula:  $9x^2 + 8x + 2 = 0$