

*I can choose the best method (factoring, quadratic formula or square roots) to solve a quadratic equation.

1) $x^2 + 4x - 12 = 0$

2) $2(x-3)^2 + 20 = -16$

3) $9x^2 - 6x - 11 = 0$

*I can add, subtract and multiply complex numbers.

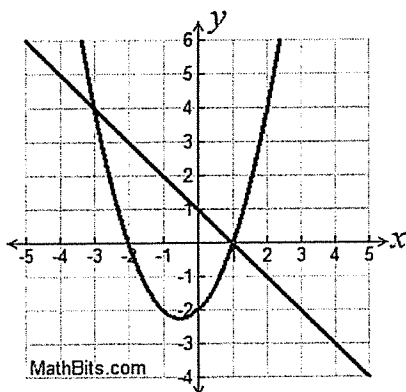
4) $(2 + 3i) - (4 - 5i)$

5) $(3 + 4i)(2 - 3i)$

6) $(5 - 3i) + (4 + 2i)$

*I can solve a linear & quadratic system of equations.

7)



8) $y = x^2 - 6x + 3$
 $y = 2x - 13$

* I can graph a quadratic equation by hand.

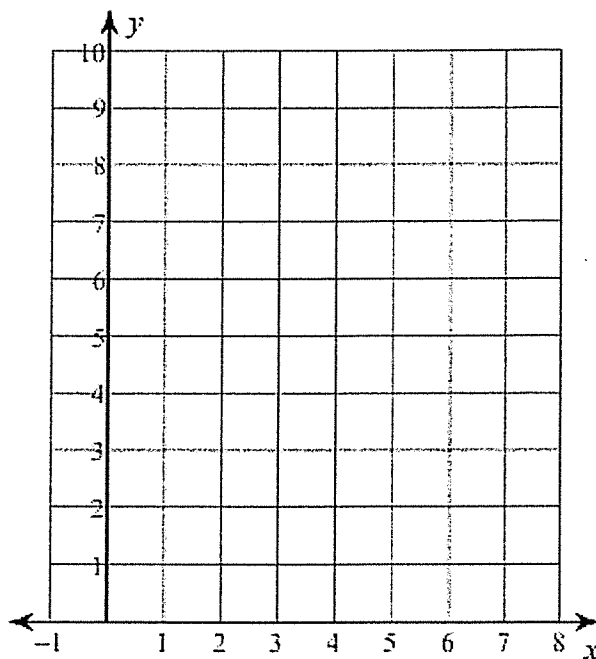
9) $y = 2x^2 - 16x + 33$

y-intercept:

Axis of symmetry:

Vertex:

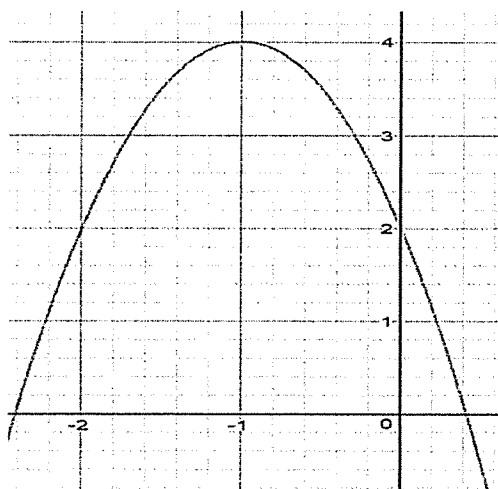
Other point(s):



* I can compare features of quadratics in different forms.

10) Which of the following has a larger maximum value?

a. $f(x) = -3x^2 + 6x + 1$ b)



c)

x	y
-1	14
0	4
1	-2
2	-4
3	-2