

Name: _____ Hour: _____ Date: _____

Adding and Subtracting (Complex Numbers Practice I)

1) $(-i) + (6i)$

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

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

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

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

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

7) $(-6 - 2i) + (6 - 5i)$

8) $(-5 + 3i) - (4 - 5i)$

9) $(5 + 6i) + (2 - 7i)$

10) $(6 - 8i) - (4i) + 7$

11) $(3 - 4i) - (-5 + 7i)$

12) $(5 + 3i) - (-2 - 5i)$

13) $(5 - 6i) + (5i) + (7 + 6i)$

14) $(-7 + 7i) - (-7 - 3i) + (-7 - 8i)$

15) $(-4 - 7i) - (4 + 5i) - (2 - i)$

16) $(-1 + i) - (-7 + 4i) - 5$

17) $(-1 + 6i) + (5 - 2i) - (8i)$

18) $(1 + 6i) + (6 - 2i) - (-7 + 5i)$

19) $(-5 + 7i) - (-6 + i) - (-6 + 5i)$

20) $(-8 + 6i) + (6 - 6i) + (7 + 6i)$

DIRECTIONS: Sketch a graph of each of the following quadratics. Remember that you must include five points on each of your graphs.

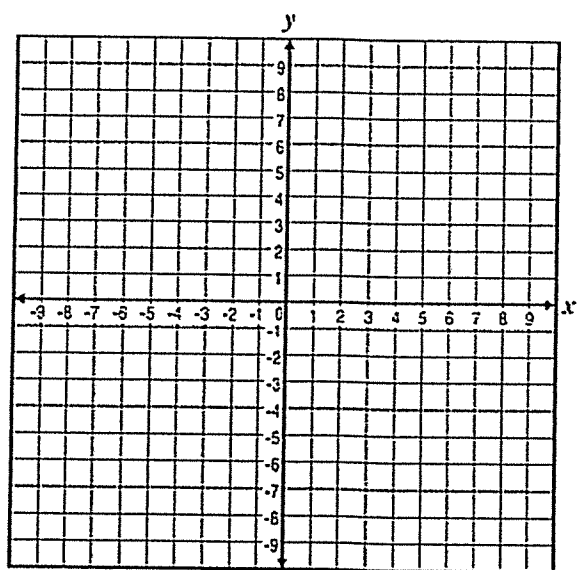
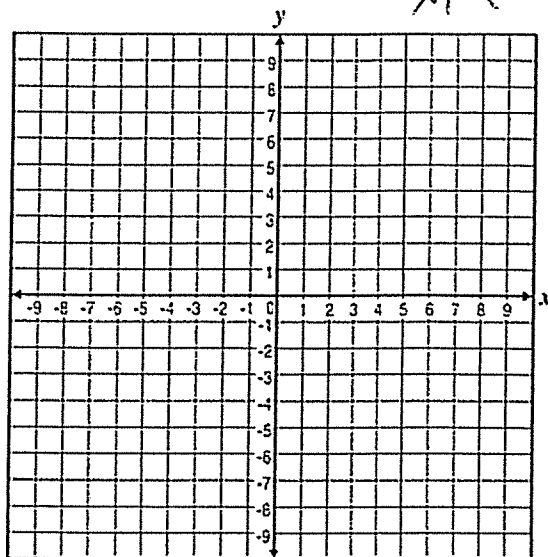
1) $f(x) = x^2 + 4x - 6$

y-intercept:

axis of symmetry:

additional point:

vertex:



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

y-intercept:

axis of symmetry:

additional point:

vertex: