Math 3   Name _____

Write each of the quadratics in following form:

1) $x^2 + 7x + 5$ in vertex form

2) $2(x - 3)^2 + 4$ in standard form

3) $(x - 2)(x + 7)$ in vertex form

4) $4(x - 1)^2 - 100$ in intercept form

5) Solve by completing the square, $x^2 - 6x - 4 = 0$

6) Solve by using the quadratic formula, $3x^2 - 5x - 10$

Solve the quadratic by completing the square, quadratic formula, or factoring.

7) $x^2 - 2x = 1$

8) $2x^2 - 40 = 16x$

9) $-12x + 18 = -3x^2$

10) $10x^2 - 7x - 12 = 0$