College Math   Name_____

Solving Quadratic Equations

Date_____

Solve each equation by taking square roots.

1) $5x^2 + 9 = 509$

2) $5p^2 - 1 = 319$

3) $25r^2 + 9 = 10$

4) $4x^2 - 2 = 34$

5) $5 + 4m^2 = 14$

6) $10n^2 + 9 = 169$

Solve each equation with the quadratic formula.

7) $3x^2 - 75 = 0$

8) $4b^2 - b - 7 = 0$

9) $4n^2 - 6 = 10$

10) $4x^2 - 12x - 62 = 10$

11) $7x^2 = 10$

12) $9x^2 = 2$

13) $-x^2 - 92 = -6x^2 - 11 + 12x$

14) $3a^2 + 8a - 60 = -3a$