

Solving Quadratics #1

Date _____ Period _____

Solve each equation by square root

1) $8m^2 - 3 = 69$

2) $16n^2 - 7 = 57$

3) $6x^2 - 7 = 143$

4) $4x^2 + 2 = 3$

5) $(k + 10)^2 - 12 = 4$

6) $(3x - 20)^2 - 45 = -9$

7) $(x - 4)^2 - 34 = -9$

8) $2(b - 20)^2 - 162 = 0$

Answers to Solving Quadratics #1

1) $\{3, -3\}$

2) $\{2, -2\}$

3) $\{5, -5\}$

4) $\left\{\frac{1}{2}, -\frac{1}{2}\right\}$

5) $-14, -6$

6) $\{14/3, 26/3\}$

7) $\{-1, 9\}$

8) $\{11, 29\}$