

## Unit 4.3 Solve by Quadratic Formula Practice

Solve each equation with the quadratic formula.

1)  $2n^2 - 3n - 90 = 0$

2)  $4k^2 + k - 39 = 0$

3)  $4v^2 - v - 68 = 0$

4)  $2r^2 + 12r + 10 = 0$

5)  $5a^2 + 4a + 3 = 12$

6)  $6x^2 + 3x - 131 = 4$

7)  $x^2 = 36 - 5x$

8)  $-5v^2 - v = -120$

9)  $4x^2 + 2 = -4x + 1$

10)  $-4k^2 = -4k - 143$

$$11) -7v^2 + 2v + 18 = 0$$

$$12) 12n^2 - 11n - 9 = 0$$

$$13) 3x^2 + 8x - 2 = 0$$

$$14) 6n^2 + 6n - 16 = 0$$

$$15) 10x^2 - 6x - 12 = 12$$

$$16) -11r^2 + 18 = -3$$

$$17) -11a^2 + 8 = -10a$$

$$18) -6x^2 = -9$$

$$19) 4v^2 + 5v - 10 = -5v^2$$

$$20) 8n^2 + 10n = 10 - n^2$$