



Forming a Quadratic Equations

Name _____

Score _____

RQ:15

Form the quadratic equation by using the given roots.

1) $h = 1 ; h = -\frac{3}{4}$

2) $n = 3 ; n = 6$

3) $y = \pm 7$

4) $t = \pm \frac{4}{5}$

5) $s = -\frac{1}{2} ; s = \frac{1}{6}$

6) $x = -1 ; x = -1$

7) $m = -\frac{2}{3} ; m = 4$

8) $k = 2 ; k = 9$



Forming a Quadratic Equations

Name _____

Score _____

Answer key

RQ:15

Form the quadratic equation by using the given roots.

1) $h = 1 ; h = -\frac{3}{4}$

$$4h^2 - h - 3 = 0$$

2) $n = 3 ; n = 6$

$$k^2 - 9k + 18 = 0$$

3) $y = \pm 7$

$$y^2 - 49 = 0$$

4) $t = \pm \frac{4}{5}$

$$25t^2 - 16 = 0$$

5) $s = -\frac{1}{2} ; s = \frac{1}{6}$

$$12s^2 + 4s - 1 = 0$$

6) $x = -1 ; x = -1$

$$x^2 - 2x + 1 = 0$$

7) $m = -\frac{2}{3} ; m = 4$

$$3m^2 - 10m - 8 = 0$$

8) $k = 2 ; k = 9$

$$k^2 - 11k + 18 = 0$$