Name : _____ Score : _____

Teacher : _____ Date : _____

Solve Quadratics by Factoring

Find all possible values of the given variable.

1) (6x - 10)(x + 2) = 0

2) (n + 11)(n - 4) = 0

3) (s - 7)(4s + 10) = 0

4) (6d - 2)(5d + 4) = 0

5) (b + 9)(2b + 11) = 0

6) (5z + 4)(z + 6) = 0

7) (g + 1)(g + 11) = 0

8) (w - 4)(6w + 8) = 0

9) (6h + 2)(h + 9) = 0

10) (y - 4)(y - 12) = 0

Name : _____ Score : _____

Teacher : _____ Date : _____

Solve Quadratics by Factoring

Find all possible values of the given variable.

1) $(6x - 10)(x + 2) = 0$

$x = \{ \frac{5}{3} , -2 \}$

2) $(n + 11)(n - 4) = 0$

$n = \{ -11 , 4 \}$

3) $(s - 7)(4s + 10) = 0$

$s = \{ 7 , \frac{-5}{2} \}$

4) $(6d - 2)(5d + 4) = 0$

$d = \{ \frac{1}{3} , \frac{-4}{5} \}$

5) $(b + 9)(2b + 11) = 0$

$b = \{ -9 , \frac{-11}{2} \}$

6) $(5z + 4)(z + 6) = 0$

$z = \{ \frac{-4}{5} , -6 \}$

7) $(g + 1)(g + 11) = 0$

$g = \{ -1 , -11 \}$

8) $(w - 4)(6w + 8) = 0$

$w = \{ 4 , \frac{-4}{3} \}$

9) $(6h + 2)(h + 9) = 0$

$h = \{ \frac{-1}{3} , -9 \}$

10) $(y - 4)(y - 12) = 0$

$y = \{ 4 , 12 \}$