

Name : _____

Score : _____

Zero Product Property

Sheet 1

Solve each quadratic equation using zero product property.

1) $(2x - 1)(3x + 4) = 0$

2) $(m - 5)(m - 2) = 0$

3) $(z - 7)(z + 2) = 0$

4) $(9p - 27)(5p + 3) = 0$

5) $(5r - 9)(4r - 6) = 0$

6) $(2n + 8)(7n + 35) = 0$

7) $(8q - 3)(q - 2) = 0$

8) $(4t + 5)(2t - 5) = 0$

9) $(10v + 5)(11v - 44) = 0$

10) $(7y + 4)(6y + 1) = 0$

Zero Product Property

Sheet 1

Solve each quadratic equation using zero product property.

1) $(2x - 1)(3x + 4) = 0$

$$x = -\frac{4}{3}; x = \frac{1}{2}$$

2) $(m - 5)(m - 2) = 0$

$$m = 2; m = 5$$

3) $(z - 7)(z + 2) = 0$

$$z = -2; z = 7$$

4) $(9p - 27)(5p + 3) = 0$

$$p = -\frac{3}{5}; p = 3$$

5) $(5r - 9)(4r - 6) = 0$

$$r = \frac{3}{2}; r = \frac{9}{5}$$

6) $(2n + 8)(7n + 35) = 0$

$$n = -5; n = -4$$

7) $(8q - 3)(q - 2) = 0$

$$q = \frac{3}{8}; q = 2$$

8) $(4t + 5)(2t - 5) = 0$

$$t = -\frac{5}{4}; t = \frac{5}{2}$$

9) $(10v + 5)(11v - 44) = 0$

$$v = -\frac{1}{2}; v = 4$$

10) $(7y + 4)(6y + 1) = 0$

$$y = -\frac{4}{7}; y = -\frac{1}{6}$$