



Quadratic Formula

Version 1

Name: _____

Date: _____

Score: _____

Direction: Solve each quadratic equation using the Quadratic Formula. Show all your work in the space provided.

1) $8x^2 - 10x - 3 = 0$ where $a = \square$, $b = \square$, and $c = \square$

$$x = \frac{-() \pm \sqrt{()^2 - 4()()}}{2()}$$

2) $2x^2 + 5x - 3 = 0$ where $a = \square$, $b = \square$, and $c = \square$

$$x = \frac{-() \pm \sqrt{()^2 - 4()()}}{2()}$$



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1) $8x^2 - 10x - 3 = 0$ where $a = \boxed{8}$, $b = \boxed{-10}$, and $c = \boxed{-3}$

$$x = \frac{-(-10) \pm \sqrt{(-10)^2 - 4(8)(-3)}}{2(8)}$$

$$\boxed{x_1 = \frac{3}{2}, x_2 = -\frac{1}{4}}$$

2) $2x^2 + 5x - 3 = 0$ where $a = \boxed{2}$, $b = \boxed{5}$, and $c = \boxed{-3}$

$$x = \frac{-(5) \pm \sqrt{(5)^2 - 4(2)(-3)}}{2(2)}$$

$$\boxed{x_1 = \frac{1}{2}, x_2 = -3}$$