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 \(c = \square\)

\[x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}\]

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

\[x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}\]
Quadratic Formula

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

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

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

\[
x_1 = \frac{3}{2}, \quad x_2 = -\frac{1}{4}
\]

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

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

\[
x_1 = \frac{1}{2}, \quad x_2 = -3
\]