

$$1. \quad 3x^2 - 5x - 2$$

$$a = 3 \quad b = -5 \quad c = -2$$

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

$$x = \frac{5 \pm \sqrt{25 - (-24)}}{6}$$

$$x = \frac{5 \pm \sqrt{49}}{6}$$

$$x = \frac{5 \pm 7}{6} \rightarrow x = 2 \quad x = -\frac{1}{3}$$

$$2. \quad x^2 - 9x + 14$$

$$a = 1 \quad b = -9 \quad c = 14$$

$$x = \frac{-(-9) \pm \sqrt{(-9)^2 - 4(1)(14)}}{2a}$$

$$x = \frac{9 \pm \sqrt{81 - 56}}{2(1)}$$

$$x = \frac{9 \pm \sqrt{25}}{2}$$

$$x = \frac{9 \pm 5}{2}$$