

Correct. Subtract  $x^2$  from both sides:  $9x^2 - 6x + 37 = 0$

Substitute  $a = 9$ ,  $b = -6$ , and  $c = 37$  into the Quadratic Formula:  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

$$x = \frac{-(-6) \pm \sqrt{(-6)^2 - 4(9)(37)}}{2 \cdot 9} = \frac{6 \pm \sqrt{36 - 1,332}}{18} = \frac{6 \pm \sqrt{-1,296}}{18}$$

$$= \frac{6 \pm 36i}{18} = \frac{6}{18} \pm \frac{36}{18}i = \frac{1}{3} \pm 2i$$