Subtract 9 from both sides:  $x^2 + 10x = 7$ 

Add  $\left(\frac{10}{2}\right)^2 = 5^2 = 25$  to both sides to complete the square:  $x^2 + 10x + 25 = 32$ 

Write the left side as the square of a binomial:  $(x + 5)^2 = 32$ Take the square root of both sides:  $x + 5 = \pm\sqrt{32} = \pm\sqrt{16 \cdot 2} = \pm 4\sqrt{2}$ Solve for *x*:  $x = -5 \pm 4\sqrt{2}$