1-4 Solving Quadratic Equations Factoring

Complete the following to solve each equation: (3 Marks)

a. $x^2 + 14x + 49 = 0$

$(x + \quad)^2 = 0$

$x + \quad 7 \quad =$

$x =$

b. $20x^2 + 15x = 0$ (5 Marks)

$5x(\quad + 3) = 0$

either $\quad = 0$ \qquad or $4x + 3 =$

$x_1 =$ \qquad\qquad $x_2 =$