

2. Solve each of the following by factoring.

a) $m^2 - 12m + 35 = 0$

b) $4c^2 - 49 = 0$

c) $y^2 + 22y = 0$

d) $2x^2 - 7x - 15 = 0$

3. Solve each of the following. First, expand to remove brackets. Second, move all terms to the left side and group like terms to create a quadratic polynomial. Finally factor and solve.

a) $m^2 + 8m = 3m + 24$

b) $x(x - 6) = 2(x - 8)$