Solving Polynomial Equations by Factoring

1. Solve each quadratic equation by factoring.
(similar to p.423 #36)

$$x^2 + 38x - 80 = 0$$

2. Solve each quadratic equation by factoring.
(similar to p.423 #42)

$$45x^2 + 13x - 2 = 0$$

3. Solve each quadratic equation by factoring.
(similar to p.423 #46)

$$5x^2 = 7x$$

4. Solve each quadratic equation by factoring.
(similar to p.423 #56)

$$(x+10)(x-5) = -14$$

5. Solve each quadratic equation by factoring.
(similar to p.423 #64)

$$-25x + 75 = 3x^2 - x^3$$