Integrated Math 3 Algebra Pre-requisites Day 5 Quadratic Formula

1. Simplify each expression.

a.
$$\frac{4 - \sqrt{(-4)^2 - 4(2)(-3)}}{2(2)}$$

$$\frac{-8 - \sqrt{(8)^2 - 4(10)(2)}}{2(10)}$$

c.
$$\sqrt{-80}$$

d.
$$\sqrt{200}$$

2. Solve the equation by using the quadratic formula. Remember the quadratic formula is:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

a.
$$x^2 + 6x + 8 = 0$$

b. Now solve the equation by factoring.

