Quiz

Identify a, b and c.

1)
$$3x^2 - 5x - 42 = 0$$

$$a = 3$$
 $b = -5$

solve with the quadratic formula

2)
$$2x^{2} - 3x - 14 = 0$$
 $\sqrt{9 + 1/2}$
 $\times = -(-3) \pm \sqrt{(-3)^{2}} \Rightarrow ((2) \Rightarrow 4)$ $3 \pm \sqrt{121}$
 $= 3 \pm \sqrt{1}$ $3 \pm$

Quadratic Methods

Objective: I can determine which method is best for solving a quadratic problem.

When would you use each method? Square root:
Factor:
Quadratic formula:

Choose the method and solve for x

$$(x^{2}) + 2x = 35$$

$$-55$$

$$1x^{2} + 2x - 35 = 0$$

$$7 - 5 = 2$$

$$(x + 7)(x - 5) = 0$$

$$x + 7 = 0$$

$$x + 7$$

Choose the method and solve for x

Choose the method and solve for x

$$|5| 4x^{2} - 10 = 134
+10 +10$$

$$|2x^{2} - 4x = -12
+12 +12 = 0$$

$$|2x^{2} - 4x + 12 = 0$$

$$|2x^{$$