Warm Up

How many strips of bacon come in the package?

Too Low	Official Guess	Too High

$$x^2 + 7x = 18$$
$$+18 \quad +18$$

$$x^2 + 7x + 18 = 0$$

What is the mistake?

$$(x-5)^2 - 4 = 12$$
$$+4 \qquad +4$$

$$\sqrt{(x-5)^2} = \sqrt{16}$$

$$x - 5 = 4$$
$$+5 \quad +5$$

$$\boxed{x = 9}$$

What is the mistake?

Based on the Free Chance...

Just convert these equations to equal 0.

$x^2 + 5x = 12$ $x^2 + 4x = -24$ $x^2 + 3x - 4 = 17$

What are the solutions to these quadratic equations?

$(x - 4)^2 - 2 = 14$ $(x - 7)^2 + 3 = 28$

$(x + 8)^2 - 10 = 26$ $(x + 1)^2 + 11 = 60$