Name:

Quadratics-Completing The Square-Common Core Quiz Date:

(1) What are the solutions to the equation $x^2 - 12x = -33$?

(1) $x = 6 \pm 1\sqrt{69}$
(2) $x = 6 \pm 1\sqrt{3}$
(3) $x = -6 \pm 1\sqrt{69}$
(4) $x = -6 \pm 1\sqrt{3}$

(2) Which equation has the same solution as $x^2 + 8x + 5 = 0$

(1) $(x - 4)^2 = 11$
(2) $(x + 4)^2 = 21$
(3) $(x + 4)^2 = 11$
(4) $(x - 4)^2 = 21$

Name:
Quadratics-Completing The Square-Common Core Quiz Date:

(3) The method of completing the square was used to solve the equation $4x^2 + 8x - 72 = 0$. Which equation is a correct step when using this method?

(1) $(x + 1)^2 = 19$
(2) $(x - 1)^2 = -73$
(3) $(x - 1)^2 = -19$
(4) $(x + 1)^2 = 73$

(4) When directed to solve a quadratic equation by completing the square, Sam arrived at the equation $(x + \frac{3}{2})^2 = \frac{149}{4}$. Which equation could have been the original equation given to Sam?

(1) $x^2 + 3x + 3 = 0$
(2) $x^2 - 3x - 35 = 0$
(3) $x^2 + 3x - 35 = 0$
(4) $x^2 - 3x + 3 = 0$