

NAME _____

Completing the Square Matching

Cut out each card. Match each quadratic equation in standard form card with its completing the square card and factored form card.

standard form	completing the square	factored form

Completing the Square Matching

Cut out each box below.

$(x + 2)(x + 4) = 0$	$\left(x - \frac{1}{2}\right)^2 = \frac{25}{4}$	$(x + 2)(x - 3) = 0$
$x^2 + 5x + 6 = 0$	$x^2 - x - 6 = 0$	$\left(x + \frac{3}{2}\right)^2 = \frac{49}{4}$
$x^2 - 2x - 8 = 0$	$(x + 3)(x + 2) = 0$	$(x - 4)(x + 2) = 0$
$x^2 + 6x + 8 = 0$	$(x + 3)^2 = 1$	$x^2 + 3x - 10 = 0$
$(x - 1)^2 = 9$	$(x + 2)(x + 5) = 0$	$(x + 5)(x - 2) = 0$
$x^2 + 7x + 10 = 0$	$\left(x + \frac{7}{2}\right)^2 = \frac{9}{4}$	$\left(x + \frac{5}{2}\right)^2 = \frac{1}{4}$

standard form	completing the square	factored form
$x^2 - x - 6 = 0$	$\left(x - \frac{1}{2}\right)^2 = \frac{25}{4}$	$(x + 2)(x - 3) = 0$
$x^2 + 6x + 8 = 0$	$(x + 3)^2 = 1$	$(x + 2)(x + 4) = 0$
$x^2 - 2x - 8 = 0$	$(x - 1)^2 = 9$	$(x - 4)(x + 2) = 0$
$x^2 + 5x + 6 = 0$	$\left(x + \frac{5}{2}\right)^2 = \frac{1}{4}$	$(x + 3)(x + 2) = 0$
$x^2 + 3x - 10 = 0$	$\left(x + \frac{3}{2}\right)^2 = \frac{49}{4}$	$(x + 5)(x - 2) = 0$
$x^2 + 7x + 10 = 0$	$\left(x + \frac{7}{2}\right)^2 = \frac{9}{4}$	$(x + 2)(x + 5) = 0$