

Name (Partner 1): \_\_\_\_\_

Name (Partner 2): \_\_\_\_\_

Period: \_\_\_\_\_

Date: \_\_\_\_\_

## QUADRATIC EQUATIONS PARTNER PUZZLE

Standard Form	Vertex Form	Intercept Form	Number of Solutions	Type of Solutions	Solutions
	$0 = 2\left(x - \frac{3}{4}\right)^2 - \frac{25}{8}$				
			1 solution		
$0 = x^2 - 4x + 5$					
					$x = 3 \pm \sqrt{2}$
	$0 = 4\left(x - \frac{5}{2}\right)^2$				

## QUADRATIC EQUATIONS PUZZLE PIECES

Cut out the puzzle pieces and glue them onto the puzzle board in the correct locations.

Not Factorable	$(2x - 5)(2x - 5) = 0$	$x = 2 \pm i$	2 solutions	Real, Rational
$2(x - 2)(x - 2) = 0$	2 solutions	$0 = (x - 3)^2 - 2$	$x = -\frac{1}{2}, x = 2$	$4x^2 - 20x + 25 = 0$
$2x^2 - 8x + 8 = 0$	Not Factorable	$x^2 - 6x + 7 = 0$	Real, Irrational	$0 = (x - 2)^2 + 1$
2 solutions	Real, Rational	$0 = 2(x - 2)^2$	Real, Rational	$2x^2 - 3x - 2 = 0$
1 solution	$(2x + 1)(x - 2) = 0$	Imaginary	$x = 2$	$x = 2\frac{1}{2}$