

Slopes Puzzle

Cut apart the pieces. Using the slopes of these linear equations, line up the equations that are parallel or perpendicular to each other. The puzzle forms a new square when completed.

$15x = -8y + 2$ $5x + 6y = 15$	$4x - y = 8$ $10 = 4y - 3x$	$7x - 8y = 16$ $9 = 3y + x$	$2x = 3y + 8$ $21 = 5y$
$2y - 8x = 6$ $8x - 17y = 5$	$2y - 7x = 4$ $11y - 4x = 6$	$9 = 3y + x$ $3x - 6 = 0$	$2y + 4x = 6$ $3x + 3y = 9$
$12y + 10x = 0$ $2y + 6x = 8$	$21 = 10x - 2y$ $2x - 10y = 20$	$8 = x - 7y$ $14x - 4y = 8$	$14x + 4y = 8$ $0 = 8 - 2x + 6y$
$3x + 2y = 8$ $2x + 4y = 9$	$3x + 4y = 8$ $11y - 4x = 6$	$4y - 10x = 8$ $8 = x - 7y$	$6y + 4x = 8$ $5 = 8x - 6y$
$2x + 4y = 9$ $6x - 2y = 8$	$4 = 16y - 10x$ $61 = 2x - 8y$	$6y + 14x = 0$ $6 = x - 7y$	$2y - 12x = 14$ $10y + 4x - 20 = 4$
$20x - 12y - 24 = 0$ $6x + 9y = -3$	$8x - 7y = 6$ $4y + 14x = 10$	$8y - 5x - 2 = 0$ $5 = 5y - 5x$	$-15x + 8y = 16$ $2x - 16y = 12$
$8y + x = 4$ $5x + 3y = 6$	$9 = 3y - x$ $3x - 12y = 18$	$8 = 4y - 3x$ $7x - 3y = 6$	$3y + 15x = 6$ $41 = 6x + 14y$
$8y - x = 4$	$17x - 8y = 16$	$7y - 2x - 14 = 0$	$-4y + 11x = 8$