How Do They Fit?
Determine the slope and y-intercept.

Puzzle:
Cut apart the puzzle pieces. On notebook paper, rewrite each equation in slope-intercept form. Match the equation puzzle piece with the piece that has the correct slope and y-intercept. You must solve *a minimum of ten* equations.
Edges:
Once the puzzle is complete, there will be three edges that have equations written in Standard Form and nine edges that have a slope and y-intercept. Write all 12 of these as equations in slope-intercept form. On graph paper, graph at least 10. Be sure to label each graph with the slope-intercept form equation written on the line.

$m = \frac{1}{4}, y-\text{int}: (0, -10)$ $m = 1$, y-int: (0, 0) $2x - 3y = -18$ $2x + 3y = 6$	$m = -\frac{2}{7}, y-\text{int}: \left(0, \frac{8}{7}\right)$ $m = \frac{2}{3}, y-\text{int}: (0, 6)$ $m = \frac{5}{3}, y-\text{int}: \left(0, -\frac{7}{3}\right)$ $m = -\frac{5}{4}, y-\text{int}: \left(0, \frac{5}{2}\right)$	$5x + 4y = 10$ $m = \frac{5}{4}, y-\text{int}: \left(0, -\frac{9}{4}\right)$ $m = 3$, y-int: (0, 5) $4x - 3y = 9$
$m = \frac{2}{3}, y-\text{int}: (0, 2)$ $m = 3, y-\text{int}: \left(0, -\frac{4}{3}\right)$ $7x - y = 2$ $x - 4y = 40$	$m = -\frac{3}{2}, y-\text{int}: (0, 0)$ $5x - 3y = 7$ $m = \frac{5}{9}, y-\text{int}: \left(0, -\frac{1}{3}\right)$ $7x - 7y = 8$	$m = \frac{1}{5}, y-\text{int}: (0, -2)$ $m = 7$, y-int: (0, -2) $m = 3$, y-int: (0, -8) $2x + 7y = 8$
$m = 1, y-\text{int}: \left(0, -\frac{8}{7}\right)$ $3x - y = -5$ $m = 0$, y-int: (0, -7) $6x + 4y = 15$	$m = -2$, y-int: (0, -4) $5x - 4y = 9$ $x + 3y = -9$ $m = -\frac{2}{3}, y-\text{int}: (0, 2)$	$m = \frac{3}{7}, y-\text{int}: (0, -4)$ $6x - 2y = 16$ $m = \frac{3}{4}, y-\text{int}: (0, 3)$ $6x + 4y = 0$