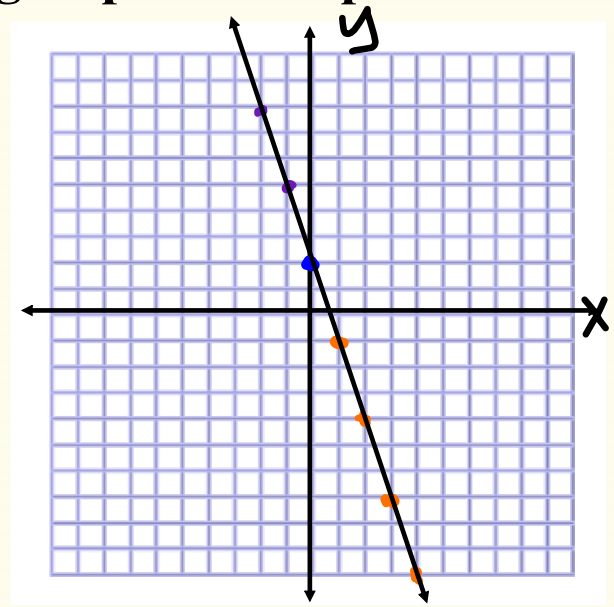
Graph the equation using slope-intercept form.

7. $y = -3x + 2$



Step 1:
Find the slope and y-intercept.

$m = -3$ $b = 2$

Step 2: Plot the y-intercept. $b = 2$

* Starting point

Step 3: Use the slope to find a couple more points.

$m = -3 = \frac{-3}{1}$ ↓ ↑ → ←

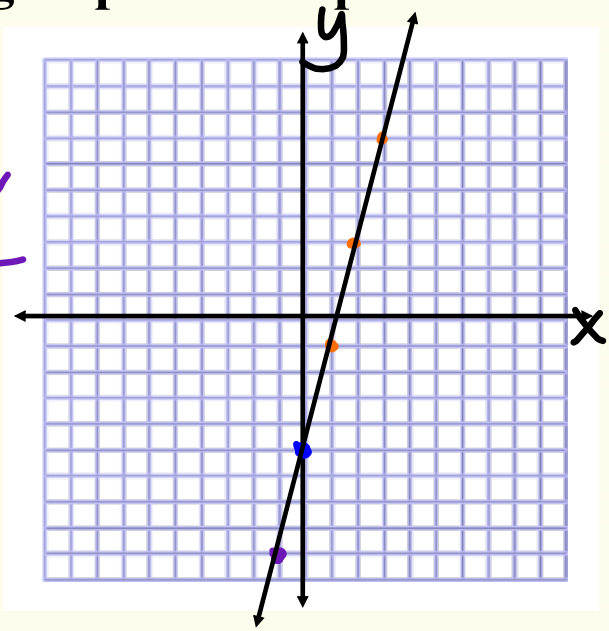
Step 4: Draw a line through the points.

Graph the equation using slope-intercept form.

8. $y = 4x - 5$

$m = 4 = \frac{4}{1}$ ↑ ↓ → ←

$b = -5$



Graph the equation using slope-intercept form.

9. $2x + 3y = 12$

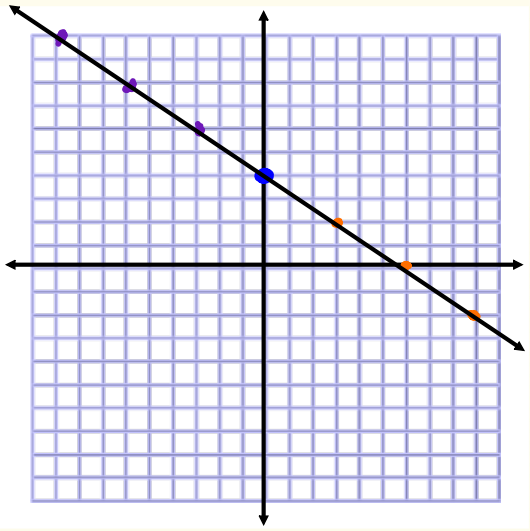
$-2x \quad -2x$

$\frac{3y}{3} = \frac{12}{3} - \frac{2x}{3}$

$y = 4 - \frac{2}{3}x$

$m = \frac{-2}{3}$ ↓ ↑ → ←

$b = 4$



Graph the equation using slope-intercept form.

10. $-3x + 5y + 5 = 0$

$+3x \quad +3x$

$5y + 5 = 3x$

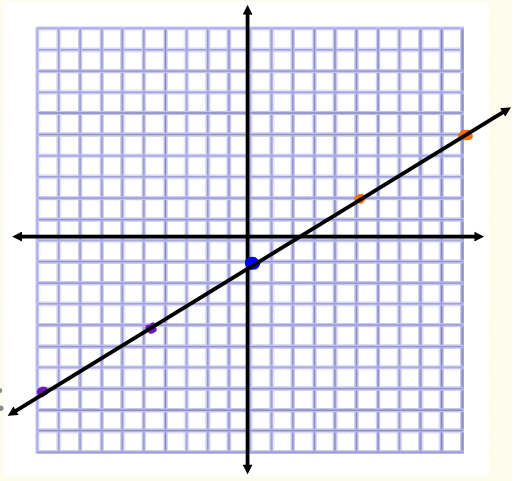
$-5 \quad -5$

$\frac{5y}{5} = \frac{3x}{5} - \frac{5}{5}$

$y = \frac{3}{5}x - 1$

$m = \frac{3}{5}$ ↑ ↓ → ←

$b = -1$



Graph the equations using slope-intercept form.

11. ① $y = -\frac{3}{4}x - 2$

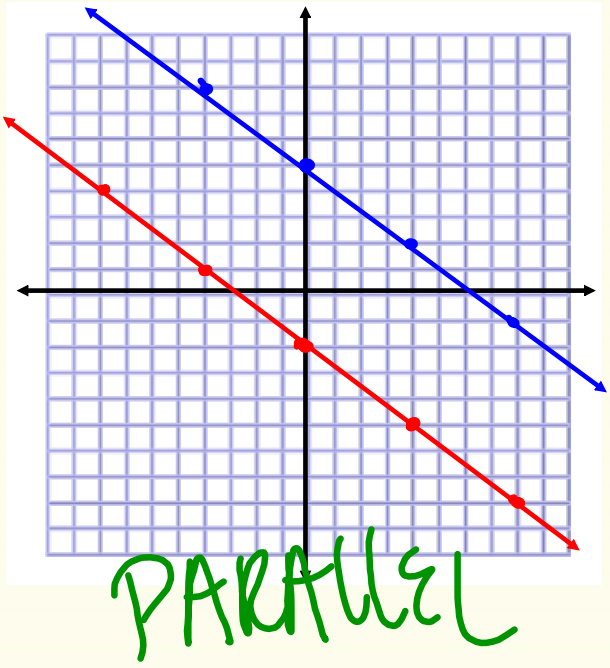
$m = \frac{-3}{4}$

$b = -2$

② $y = -\frac{3}{4}x + 5$

$m = \frac{-3}{4}$

$b = 5$



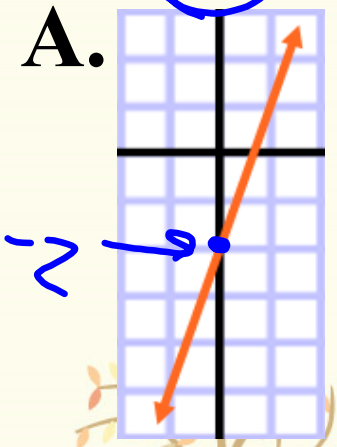
Match the equation with its graph.

12. $y = \frac{3}{4}x + 2$ (C)

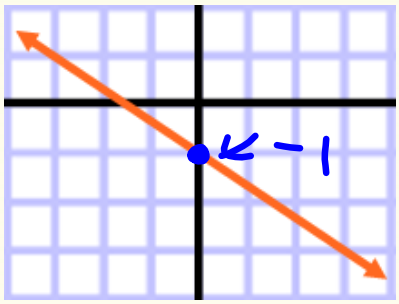
13. $y = -\frac{2}{3}x - 1$ (B)

14. $y = 3x - 2$ (A)

A.



B.



C.