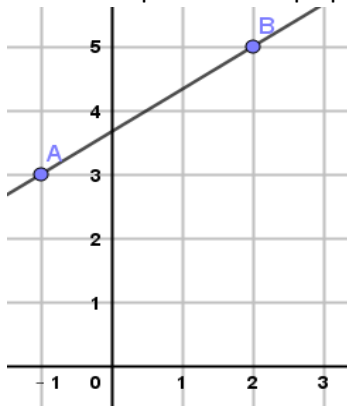
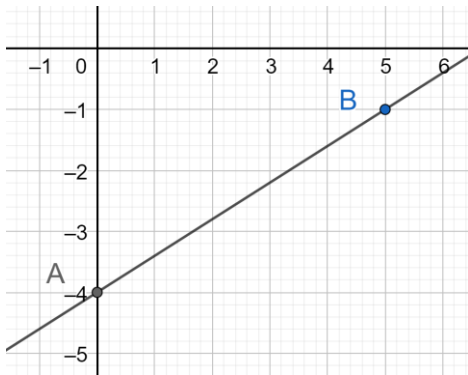


- Graph $y = \frac{3}{5}x - 4$
- Write an equation in slope point form for the following graph



- Write an equation of a line that is perpendicular to $y = 3x + 2$ and passes through the point $(-2, 5)$ in slope point form.
- Write an equation of the line that passes through points $(-5, 7)$ and $(2, 8)$ in slope intercept form.
- Write an equation of the line that has x-int of 3 and y-int of -2 in slope point form.

1.



2. $y - 3 = \frac{2}{3}(x + 1)$ or $y - 5 = \frac{2}{3}(x - 2)$

3. Perpendicular, therefore the slope would be $-\frac{1}{3}$ so the answer is $y - 5 = -\frac{1}{3}(x + 2)$

4. Use the slope formula you get $m = \frac{1}{7}$, so equation in slope point form is $y - 8 = \frac{1}{7}(x - 2)$.
Change it to slope intercept form by isolating for y, you get $y = \frac{1}{7}x + \frac{54}{7}$

5. coordinates would be $(3, 0)$ and $(0, -2)$, so the slope is $\frac{2}{3}$, plug into slope point form you get
 $y - 0 = \frac{2}{3}(x - 3)$