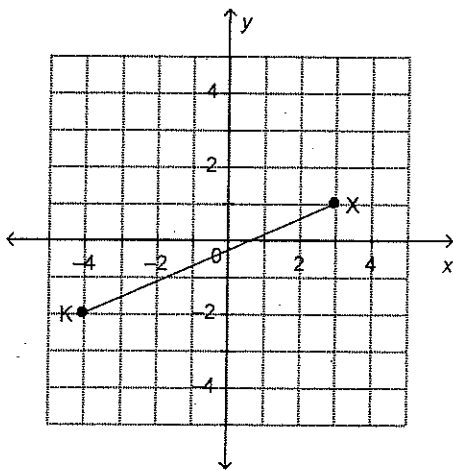


6.5-6.6 Review

- Describe the graph of the equation $y - 3 = \frac{2}{3}(x - 5)$
- A line has a slope of $-3/4$ and passes through the point $(-2, 6)$. Write its equation in slope-point form.
- Write the equation of the line shown below in slope-point form, then convert the equation to slope-intercept form.



$$y = \underline{\hspace{2cm}}$$

- Line AB is represented by the equation $y = 2x + 5$.
 - Write the equation of a line that is parallel to AB and passes through the point $(1, -3)$. Answer in slope-point form.
 - Write the equation of a line that is perpendicular to AB and passes through the point $(1, -3)$. Answer in slope-point form.

5. Identify the form each equation is in, then change to general form.

a) $5x - 2y = 10$

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

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

6. Determine the slope of the line with this equation: $3x - 2y + 8 = 0$

7. Calculate the x and y-intercepts, then graph the line $2x - 3y + 12 = 0$

