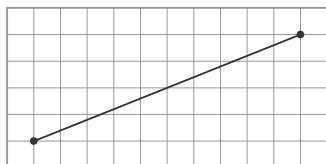
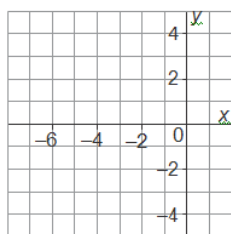


Linear Relations Review

- Find the slope of the line segment.

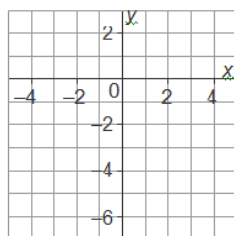


- Find the slope of the line through A(-4, 3) and B(1, 6)
- Draw a line CD that passes through C(-3, -2), and has slope -3

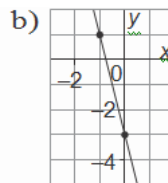
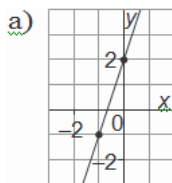


- Find the slope of the line through each pair of points:
 - A(0, 5) and B(4, 2)
 - C(-1, 3) and D(2, 7)
 - E(-2, -3) and F(4, 5)
 - Which lines in part a) are parallel? Which lines are perpendicular?

- Graph $y = \frac{1}{2}x - 3$

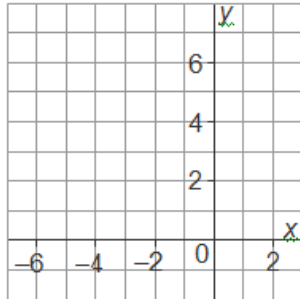


- For each line:
 - Write the slope and y-intercept
 - Write an equation in slope-intercept form

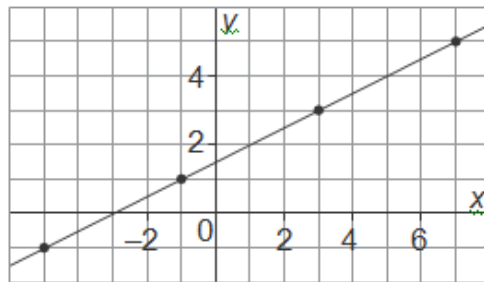


7. For the line $y - 4 = \frac{1}{2}(x + 3)$

- Write the slope of the line:
- Write the coordinates of a point on the line.
- Graph the line



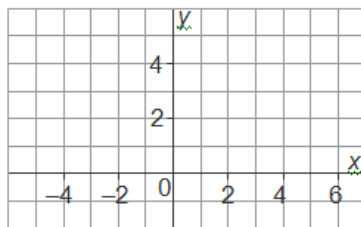
8. a) Write an equation for this line in point-slope form.



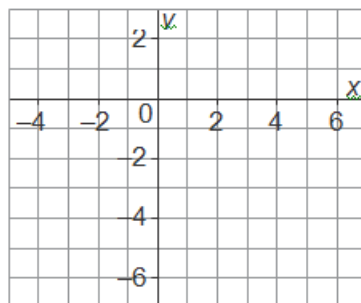
- b) Write the equation in part a) in slope-intercept form.

9. Graph each line.

a. $3x + 6y - 12 = 0$



b. $2x - 3y - 9 = 0$



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1. $\frac{2}{5}$

2. $\frac{3}{5}$

4. a) i) $-\frac{3}{4}$

ii) $\frac{4}{3}$

iii) $\frac{4}{3}$

b) Parallel: CD and EF

Perpendicular: AB and CD; AB and EF

6. a) Slope: 3; y-intercept: 2; $y = 3x + 2$

b) Slope: -4; y-intercept: -3; $y = -4x - 3$

7. a) $\frac{1}{2}$

b) (-3, 4)