

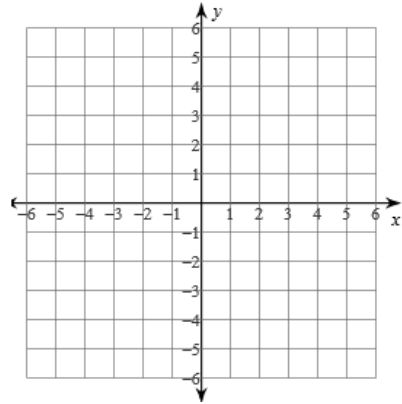
$$y = mx + b$$

REARRANGE AN EQUATION

$$2y - 6x = -9$$

SKETCH LINES

A. $y = \frac{2}{5}x$



B. $y = -6 - x$

FIND X & Y INTERCEPTS

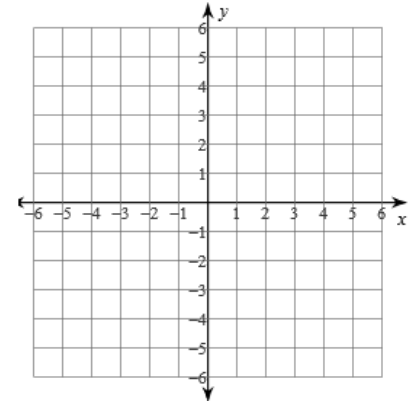
$$5x - 3y = 10$$

USING A TABLE OF VALUES

$$y = \frac{1}{2}x - 6$$

X	Y

ABOUT SLOPE



DIFFERENCES FOR SLOPE

X	Y
2	10
4	7
6	4
8	1

DECIDING ON LET STATEMENTS

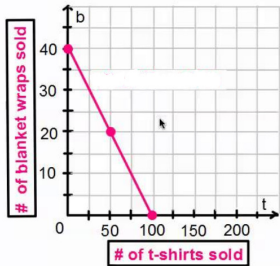
Survival Guide

CREATING AN EQUATION FROM WORDS

A plumber charges a flat fee of \$50 plus \$35/hr.

The video store charges a fee of \$4.75 for 1 day rentals. Each day after costs \$0.75 extra.

FROM GRAPH



FROM 2 POINTS

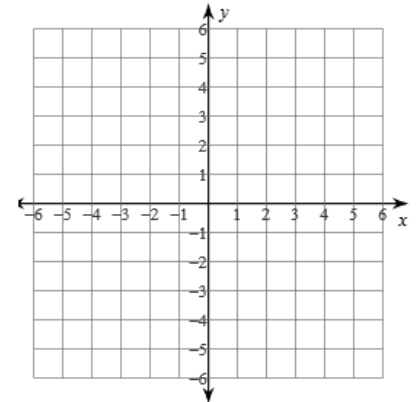
$A(3, -5)$ and $B(-1, -3)$

Unit 1 – Linear Relations

Name: _____

CHANGING STEEPNESS OF LINES

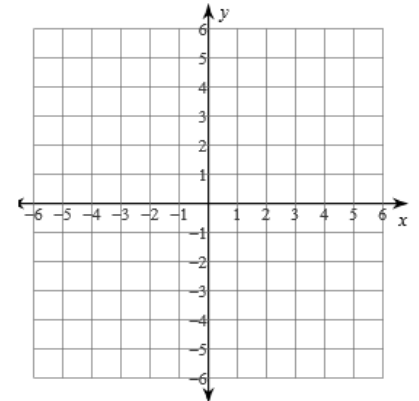
- Write a line equation more steep than $y = 2x$ and with a y-int of -4.



- Write any line equation less steep than $y = 3 - \frac{3}{2}x$

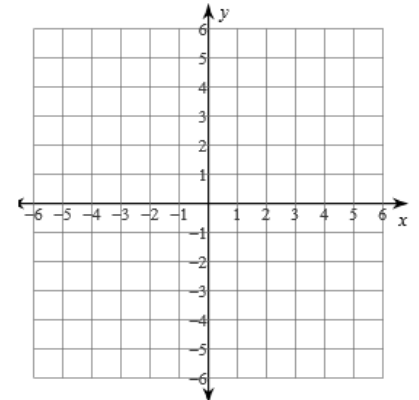
PARALLEL & PERPENDICULAR

- Write a parallel line equation to $y = -3x - 3$ with a y-int of 5.



- Write any line equation parallel to $y = 5 - x$

- Write a perpendicular line equation to $y = -3x - 3$ with a y-int of 5.



- Write any line equation perpendicular to $y = 6x$