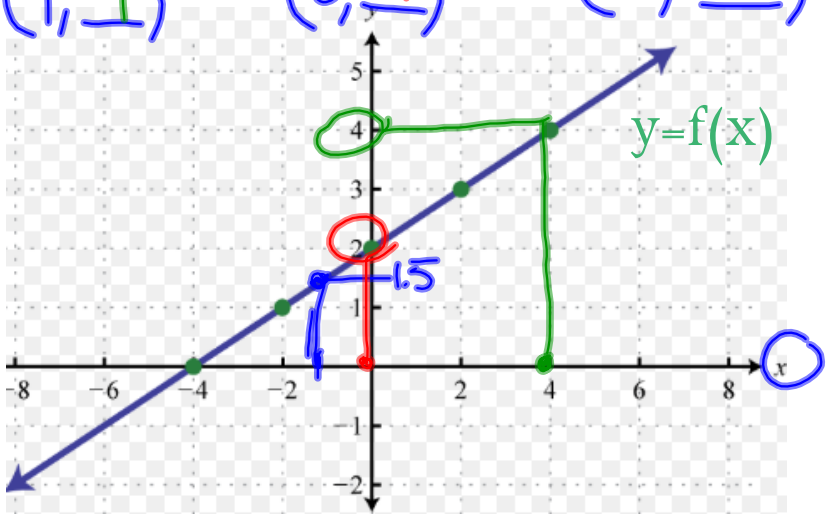
Warm Up: Evaluate the function below for the following inputs.

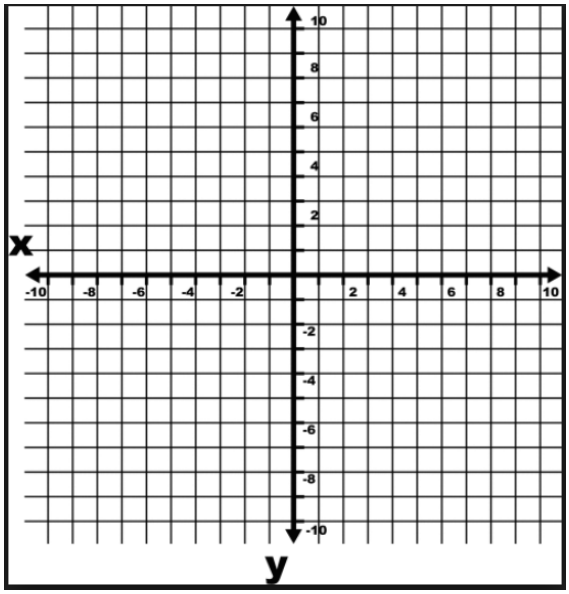
f(4)= (4, 4) f(0)= (0, 2) f(−1)= (−1, 1.5)

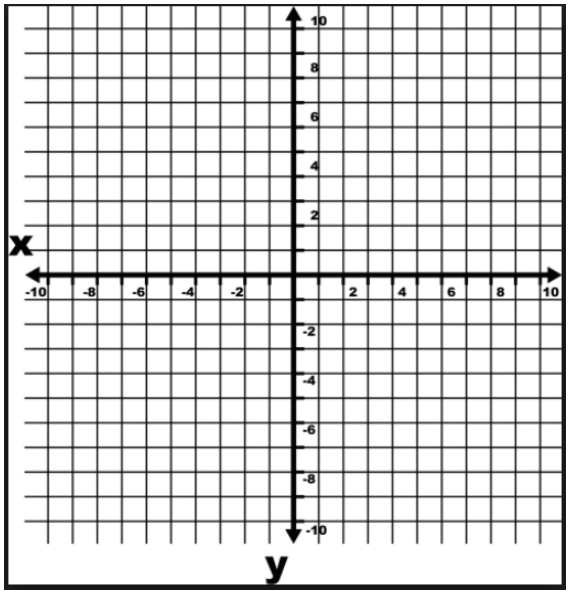


Sketch the graph of each function below.

$f(x) = -x + 1$

$g(x) = 3x + 1$





$y = mx + b$

SLOPE Y-INTERCEPT

For each example, solve for y. Determine the **slope** and **y- intercept** of each equation.

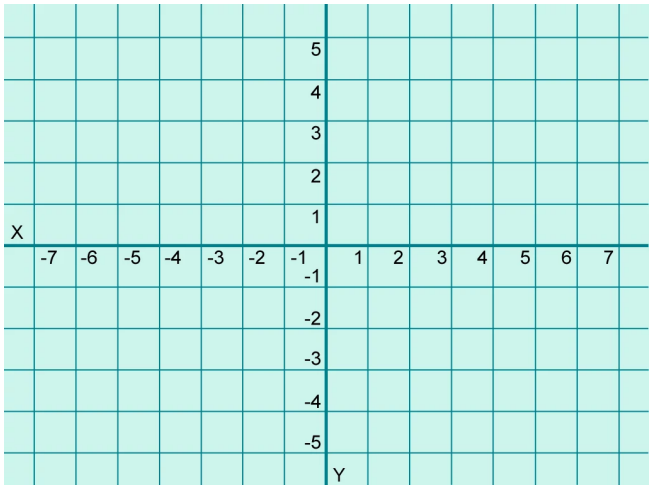
$3y = 4x - 27$ Slope _____ y-intercept _____ Equation _____	$6x - 2y = 10$ Slope _____ y-intercept _____ Equation _____	$x \quad 3y = 6$ Slope _____ y-intercept _____ Equation _____
$3x \quad 2y = \quad 16$ Slope _____ y-intercept _____ Equation _____		$6x + 5y = -15$ Slope _____ y-intercept _____ Equation _____

Please complete the following:

1. **Plot** the set of coordinates {(-2, -1), (-1, 2), (0, 5), (1, 8)}

2. **State** the coordinates of what you think the next point SHOULD be. _____

3. **Connect** your points.



4. **State** the slope and y-intercept.

y-intercept____

slope_____

equation_____

1. Given the linear equation 6x + 3y = 21, **solve** for y.

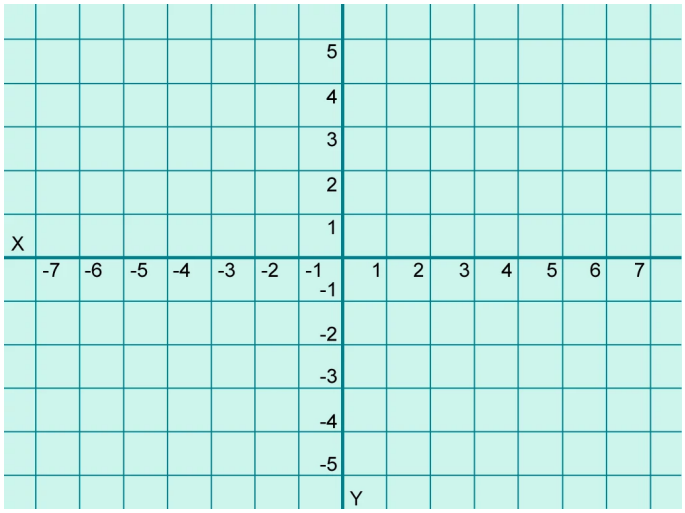
2. **State** the slope and y-intercept of this function.

Slope: _____

y-intercept_____

3. **Write** a table (with at least 3 coordinates) for this function

4. **Graph** the function..



x	y

5. Solve for f(3)

Please complete the following:

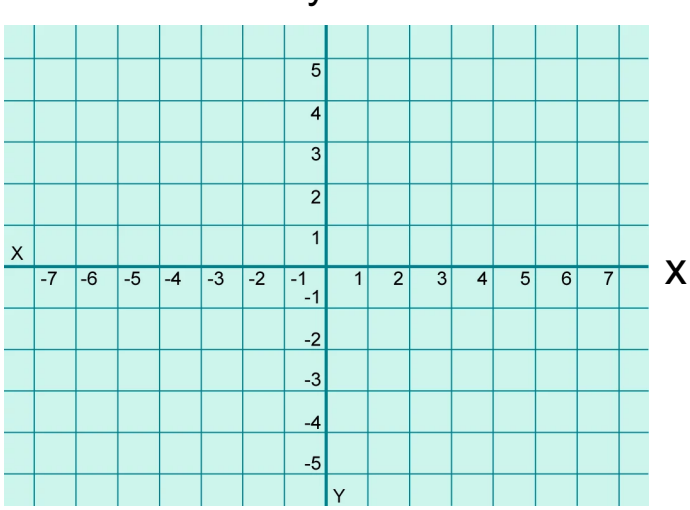
1. **Plot** the set of coordinates {(-2, -1), (-1, 2), (0, 5), (1, 8)}

2. **State** the slope and y-intercept.

Slope_____

y-intercept_____

3. Write an equations in y = mx + b form _____



Pease complete the following:

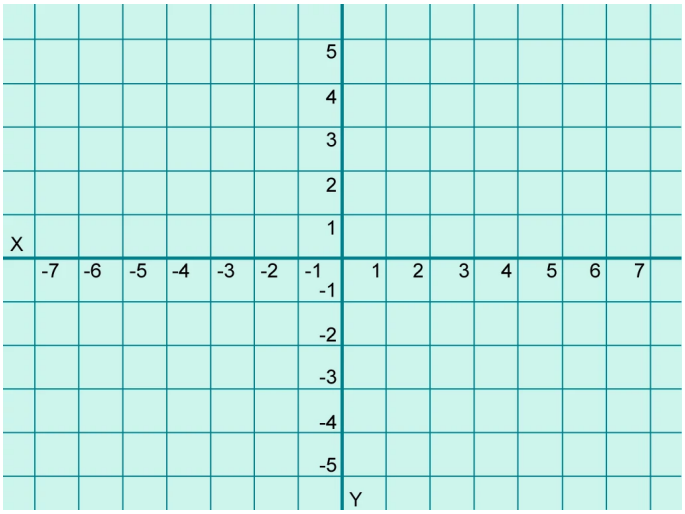
1. Given the linear equation $2x + 3y = 9$, **solve** for y.
2. **State** the slope and y-intercept of this function.
3. **Graph** the function.
4. **Write** a table (with at least 3 coordinates) for this function.

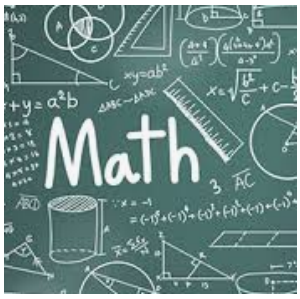
Slope _____

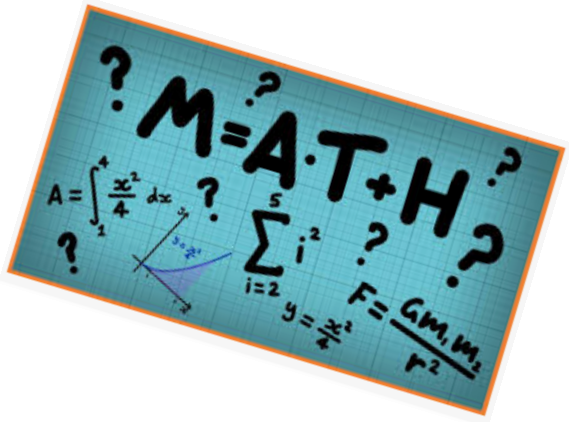
y-intercept _____

Find three points on your calculator

x	y







Write the equation for each of the graphs shown on the following pages