

Characteristics of Linear Functions

NAME: _____

PD: _____

DATE: _____

1. Graph the line and write its characteristics:

$$f(x) = 2x - 2$$

Domain: _____ Range: _____

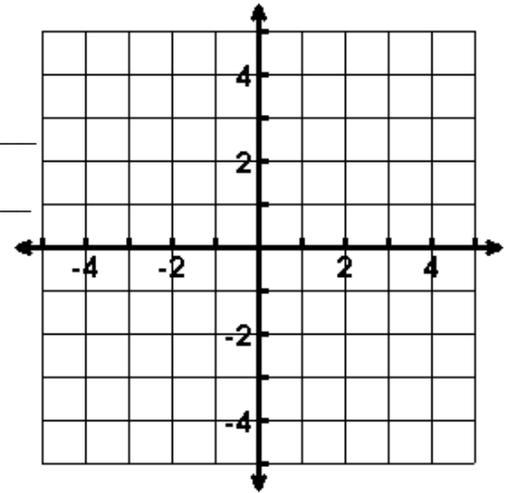
X intercept(s): _____ Y Intercept: _____

Circle: Increasing or Decreasing

Slope: _____

End Behavior: $x \rightarrow \infty, f(x) \rightarrow$ _____

$x \rightarrow -\infty, f(x) \rightarrow$ _____



2. Graph the line and write its characteristics:

$$f(x) = 3x - 6$$

Domain: _____ Range: _____

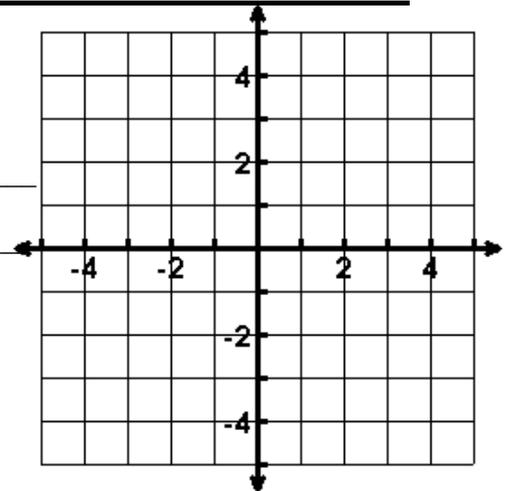
X intercept(s): _____ Y Intercept: _____

Circle: Increasing or Decreasing

Slope: _____

End Behavior: $x \rightarrow \infty, f(x) \rightarrow$ _____

$x \rightarrow -\infty, f(x) \rightarrow$ _____



3. Graph the line and write its characteristics:

$$f(x) = -x + 2$$

Domain: _____ Range: _____

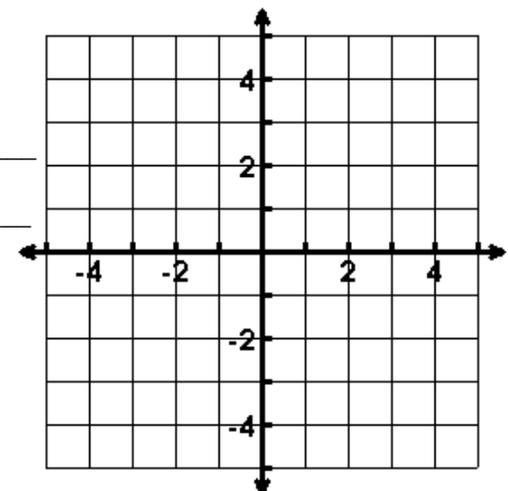
X intercept(s): _____ Y Intercept: _____

Circle: Increasing or Decreasing

Slope: _____

End Behavior: $x \rightarrow \infty, f(x) \rightarrow$ _____

$x \rightarrow -\infty, f(x) \rightarrow$ _____



Characteristics of Linear Functions

4. Graph the line and write its characteristics

$$f(x) = -\frac{3}{4}x$$

Domain: _____ Range: _____

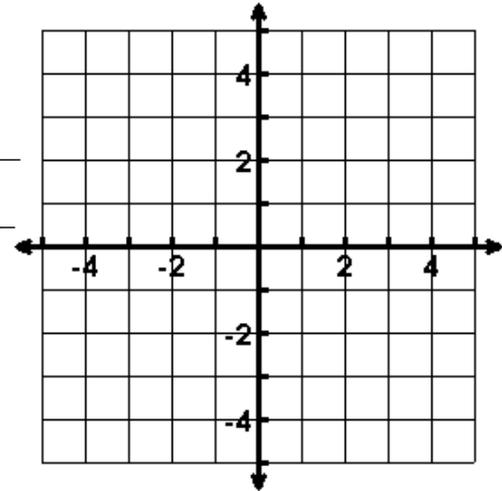
X intercept(s): _____ Y Intercept: _____

Circle: Increasing or Decreasing

Slope: _____

End Behavior: $x \rightarrow \infty, f(x) \rightarrow$ _____

$x \rightarrow -\infty, f(x) \rightarrow$ _____



5. Using the table of values find the characteristics

Domain: _____ Range: _____

X intercept(s): _____ Y Intercept: _____

Circle: Increasing or Decreasing

Slope: _____

End Behavior: $x \rightarrow \infty, f(x) \rightarrow$ _____

$x \rightarrow -\infty, f(x) \rightarrow$ _____

Equation: _____

x	-3	-2	-1	0	1	2	3
y	-6	-3	0	3	6	9	12

6. Using the table of values find the characteristics.

Domain: _____ Range: _____

X intercept(s): _____ Y Intercept: _____

Circle: Increasing or Decreasing

Slope: _____

End Behavior: $x \rightarrow \infty, f(x) \rightarrow$ _____

$x \rightarrow -\infty, f(x) \rightarrow$ _____

Equation: _____

X	Y
2	40
4	50
6	60
8	70
10	80

