

More Characteristics

Intercepts

| | x- intercept | y- intercept |
|----------------------|---------------------|---------------------|
| Definition | | |
| Graphically | | |
| Algebraically | | |

Find the x and y intercepts of the following functions.

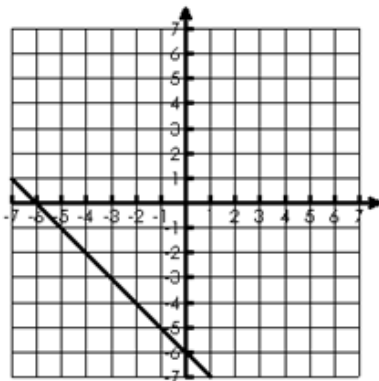
1. $-3x + 2y = 12$

2. $4x - 5y = 20$

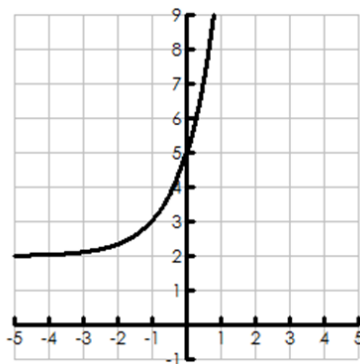
Increasing/ Decreasing

| Increasing | Decreasing | Constant |
|-------------------|-------------------|-----------------|
| | | |

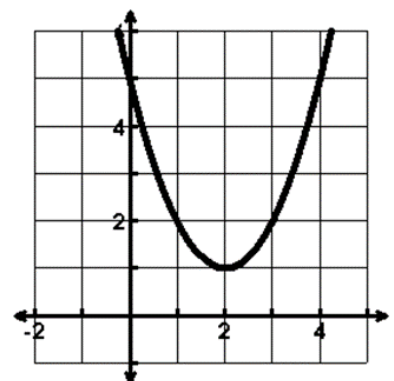
End Behavior



Inc or Dec?
Intercepts?
End behavior:



Inc or Dec?
Intercepts?
End behavior:



Inc or Dec?
Intercepts?
End behavior:

1.

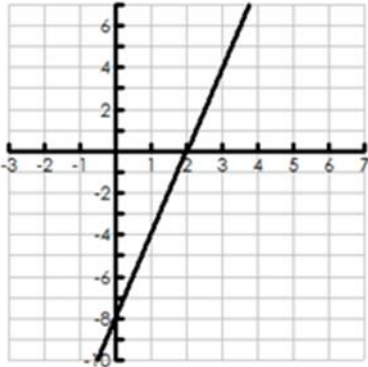
Domain: _____

Range: _____

Intercepts: _____

Increasing or Decreasing: _____

End behavior:
 $x \rightarrow -\infty, y \rightarrow$ _____
 $x \rightarrow \infty, y \rightarrow$ _____



2.

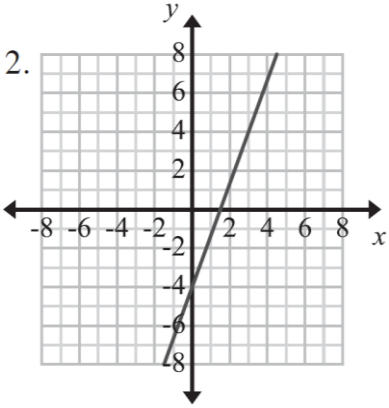
Domain: _____

Range: _____

Intercepts: _____

Increasing or Decreasing: _____

End behavior:
 $x \rightarrow -\infty, y \rightarrow$ _____
 $x \rightarrow \infty, y \rightarrow$ _____



3.

Domain: _____

Range: _____

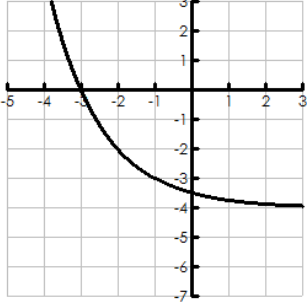
Asymptote: _____

X-intercept: _____

Y-intercept: _____

Increasing or Decreasing: _____

End behavior:
 $x \rightarrow -\infty, y \rightarrow$ _____
 $x \rightarrow \infty, y \rightarrow$ _____



4.

Domain: _____

Range: _____

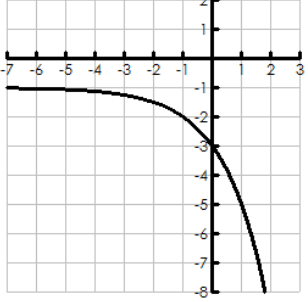
Asymptote: _____

X-intercept: _____

Y-intercept: _____

Increasing or Decreasing: _____

End behavior:
 $x \rightarrow -\infty, y \rightarrow$ _____
 $x \rightarrow \infty, y \rightarrow$ _____



5.

Domain: _____

Range: _____

Intercepts: _____

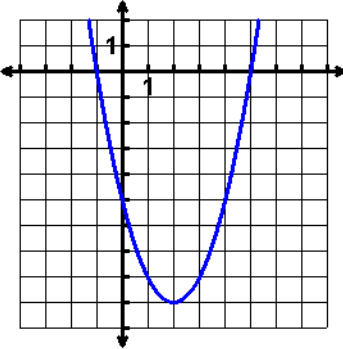
A.O.S.: _____

Vertex: _____

Increasing: _____

Decreasing: _____

End behavior:
 $x \rightarrow -\infty, y \rightarrow$ _____
 $x \rightarrow \infty, y \rightarrow$ _____



6.

Domain: _____

Range: _____

Intercepts: _____

A.O.S.: _____

Vertex: _____

Increasing: _____

Decreasing: _____

End behavior:
 $x \rightarrow -\infty, y \rightarrow$ _____
 $x \rightarrow \infty, y \rightarrow$ _____

