Foundations of Algebra Name:
Unit 6 Day 8 – Quiz 2 Review

Sketch a graph that has a…

 *positive slope negative slope zero slope undefined slope*



Find the slope between the following points:

$\left(0, 4\right) and (-2, 6)$ $\left(-4, 1\right) and (-2, 8)$

Find the slope from the linear functions represented below.



Find the y-intercepts from the functions represented below.





Convert the following to slope-intercept form.

 

Graph the following:





Write the equation in slope-intercept form represented by the graphs below.

  

List the characteristics of the graphs below.

 

|  |  |
| --- | --- |
| Domain: | Domain: |
| Range: | Positive: |
| Positive: | Int. of Increase: |
| Negative: | As $x\rightarrow -\infty , f(x)\rightarrow \\_\\_\\_\\_\\_\\_$ |
| Int. of Increase: | Y-Intercept: |
| Int. of Decrease: | Range: |
| Int. of Constant: | X-Intercept: |
| X-Intercept: | As $x\rightarrow \infty , f(x)\rightarrow \\_\\_\\_\\_\\_\\_$ |
| Y-Intercept: | Int. of Constant: |
| As $x\rightarrow \infty , f(x)\rightarrow \\_\\_\\_\\_\\_\\_$ | Minimum: |
| As $x\rightarrow -\infty , f(x)\rightarrow \\_\\_\\_\\_\\_\\_$ | Negative: |
| Minimum: | Int. of Decrease: |
| Maximum: | Maximum: |