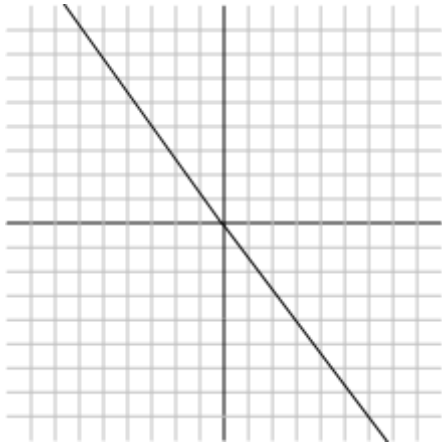


Section 5.1 – The Parts of a Line

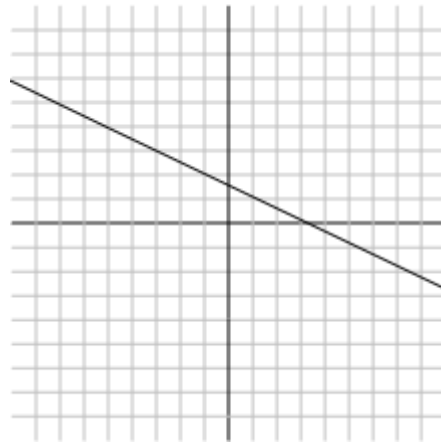
Problem Set 2

Find the slope and y -intercept of the following lines. You can assume that if it looks like the line goes through an intersection of the grid lines then it does.

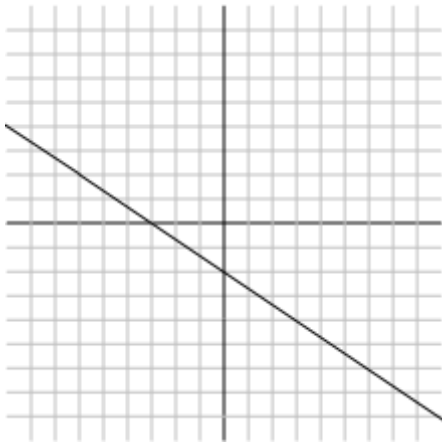
1.



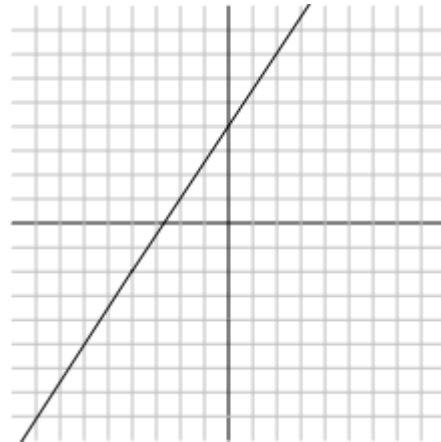
2.



3.



4.



Find the slope of the line through the following points.

5. $(3, 5)$ and $(2, -1)$

6. $(6, 6)$ and $(-3, 4)$

7. $(-1, -1)$ and $(4, 0)$

8. $(7, 0)$ and $(5, -4)$

9. $(4, 1.5)$ and $(3.7, -2)$

10. $(5, 11)$ and $(10, -5)$

11. $\left(\frac{2}{9}, -\frac{1}{3}\right)$ and $(1, -7)$

12. $\left(\frac{3}{8}, \frac{7}{8}\right)$ and $\left(\frac{1}{2}, -\frac{3}{4}\right)$

Determine if the line through the following points is increasing or decreasing.

13. $(1, 4)$ and $(2, -1)$

14. $(-2, -2)$ and $(3, 5.1)$

15. $(8, 2)$ and $(-3, -4)$

16. $(2.9, 1.1)$ and $(1.5, 4)$