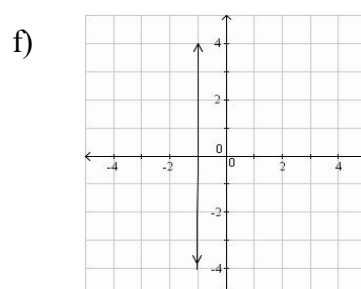
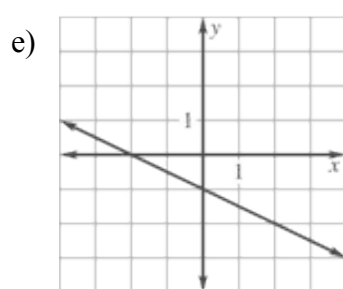
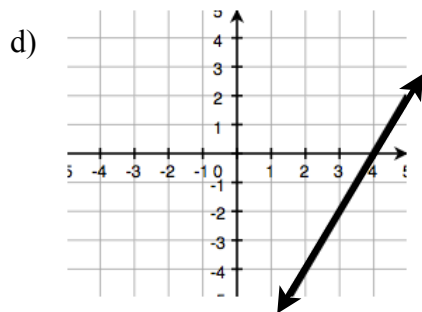
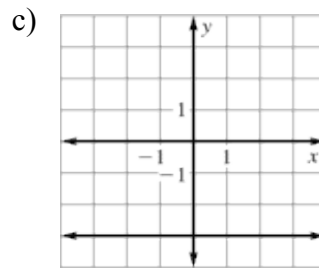
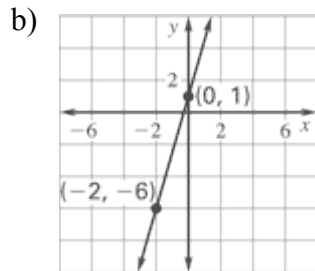
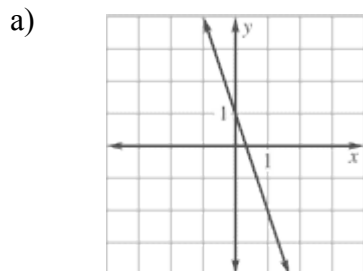


Finding Slope Graphically

Definition: Slope is the rate by which the y values change as the x values INCREASE.

1. Decide whether the slope of each line is positive, negative, zero or undefined.



Finding slope algebraically

Slope Formula:

3. $(4, 8), (2, 3)$

4. $(2, 0), (2, 1)$

5. $(0, 4), (-3, 4)$

Finding Slope Continued...

6. $(\frac{9}{2}, 5), (\frac{1}{2}, -3)$

7. $(-2, 3), (4, 6)$

8. $(-3, -3), (-1, -6)$

** Given the slope of a line is $\frac{3}{2}$ and it passes through the points $(2, 3)$ and $(x, 9)$, find the value of x .

Rate of Change

9. The table below shows gas prices for a number of days. Find the rate of change with respect to time.

Time(days)	Day 1	Day 3	Day 5
Price/gal (\$)	2.09	2.49	2.89

Find the rate of change.

10. The table shows the change in temperature over time. Find the rate of change in degrees Fahrenheit with respect to time.

Temperature (° Fahrenheit)	Time (hours)
38	0
43	2
48	4
53	6