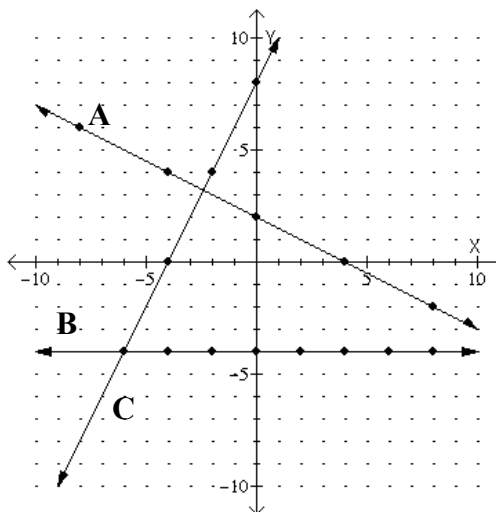


# Introduction to Slope and Equation of a Line

Name \_\_\_\_\_

1. Find the x-intercept, the y-intercept and the slope of each line. Then find the equation of each line.

Line	x-intercept	y-intercept	Slope
A			
B			
C			



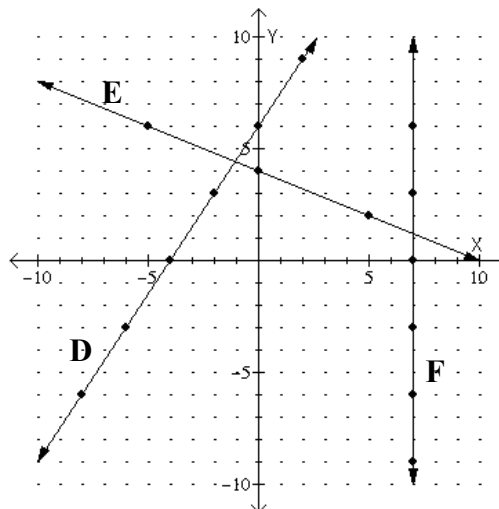
Equation line A: \_\_\_\_\_  
(Slope-intercept form and Standard form)

Equation line B: \_\_\_\_\_

Equation line C: \_\_\_\_\_  
(Slope-intercept form and Standard form)

2. Find the x-intercept, the y-intercept and the slope of each line. Then find the equation of each line

Line	x-intercept	y-intercept	Slope
D			
E			
F			



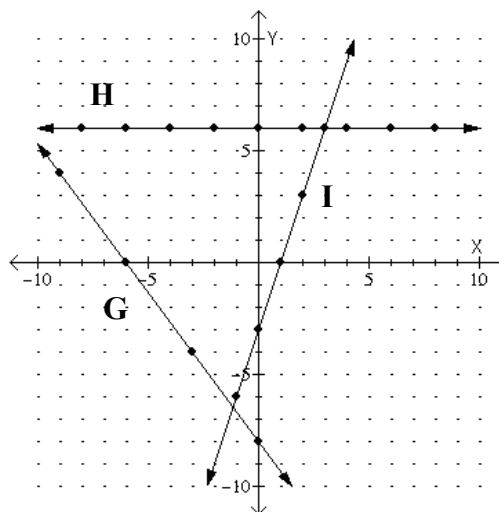
Equation line D: \_\_\_\_\_  
(Slope-intercept form and Standard form)

Equation line E: \_\_\_\_\_  
(Slope-intercept form and Standard form)

Equation line F: \_\_\_\_\_

3. Find the x-intercept, the y-intercept and the slope of each line. Then find the equation of each line.

Line	x-intercept	y-intercept	Slope
G			
H			
I			



Equation line G: \_\_\_\_\_  
(Slope-intercept form and Standard form)

Equation line H: \_\_\_\_\_

Equation line I: \_\_\_\_\_  
(Slope-intercept form and Standard form)

4. From the description of the line, draw and label the line on the axes provided. Then find the equation of each line.

- a) A line that has a slope equal to zero and passes through the point  $(-7, 6)$ . Label the line **A**.

**Equation:** \_\_\_\_\_

- b) A line that has an undefined slope and passes through the point  $(7, -2)$ . Label the line **B**.

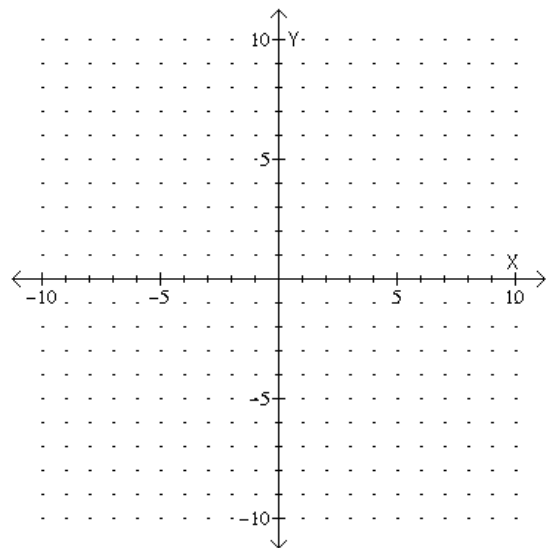
**Equation:** \_\_\_\_\_

- c) A line that has a slope equal to  $1/2$  and passes through the point  $(-8, 0)$ . Label the line **C**.

**Equation:** \_\_\_\_\_  
(Slope-intercept form and Standard form)

- d) A line that has a slope equal to  $-2$  and passes through the point  $(6, 1)$ . Label the line **D**.

**Equation:** \_\_\_\_\_  
(Slope-intercept form and Standard form)



5. From the description of the line, draw and label the line on the axes provided.

- a) A line that has a slope equal to zero and a y-intercept of  $(0, -8)$ . Label the line **A**.

**Equation:** \_\_\_\_\_

- b) A line that has an undefined slope and an x-intercept of  $(-4, 0)$ . Label the line **B**.

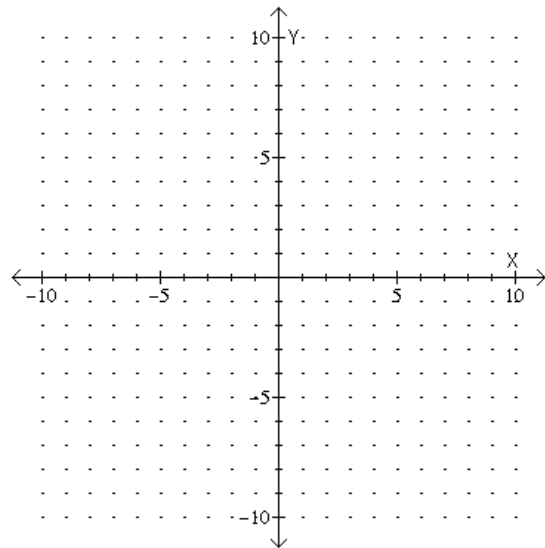
**Equation:** \_\_\_\_\_

- c) A line that has a slope equal to  $5/2$  and a y-intercept of  $(0, -3)$ . Label the line **C**.

**Equation:** \_\_\_\_\_  
(Slope-intercept form and Standard form)

- d) A line that has a slope equal to  $-2/5$  and a y-intercept of  $(0, 6)$ . Label the line **D**.

**Equation:** \_\_\_\_\_



6. From the description of the line, draw and label the line on the axes provided.

- a) A line that has a slope equal to  $3/4$  and y-intercept at  $(0, 5)$ . Label it **A**.

**Equation:** \_\_\_\_\_  
(Slope-intercept form and Standard form)

- b) A line that has a slope equal to  $3/2$  and y-intercept at  $(0, 5)$ . Label it **B**.

**Equation:** \_\_\_\_\_  
(Slope-intercept form and Standard form)

- c) A line that has a slope equal to  $4$  and y-intercept at  $(0, -2)$ . Label it **C**.

**Equation:** \_\_\_\_\_  
(Slope-intercept form and Standard form)

- d) A line that has a slope equal to  $-1/4$  and y-intercept at  $(0, -6)$ . Label it **D**.

**Equation:** \_\_\_\_\_  
(Slope-intercept form and Standard form)

