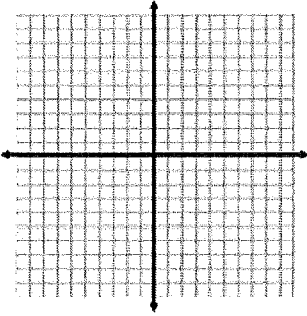


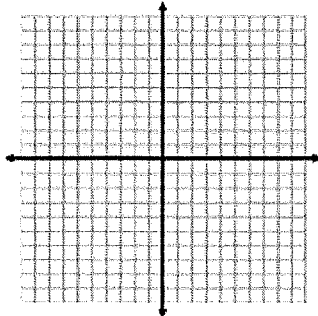
CW 1

Plot the points and draw a line through them. Then tell whether the slope of the line is *positive*, *negative*, *zero*, or *undefined*.

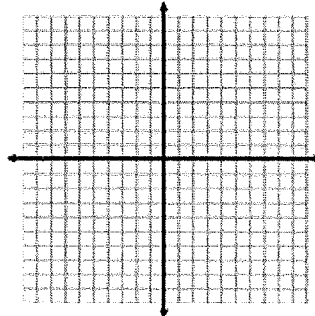
1. (1, -4) and (5, -8)



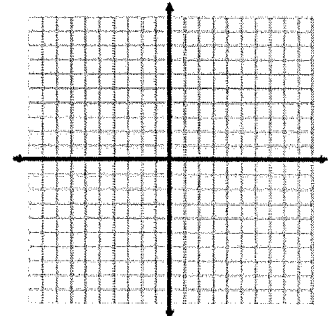
2. (-3, 6) and (-3, 0)



3. (7, 1) and (-2, 1)



4. (-4, -5) and (-3, -2)



Find the slope of the line that passes through the points.

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

5. (1, 2) and (7, 7)  
 $x_1 \ y_1 \ x_2 \ y_2$

6. (3, 4) and (-5, 0)

7. (5, -2) and (5, 8)

$$m = \frac{7-2}{7-1} =$$

8. (3, 0) and (8, 0)

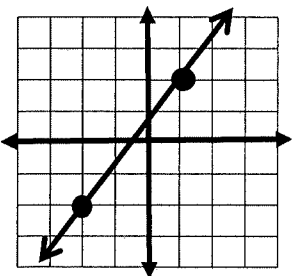
9. (-6, -6) and (-2, -2)

10. (-5, -4) and (1, -2)

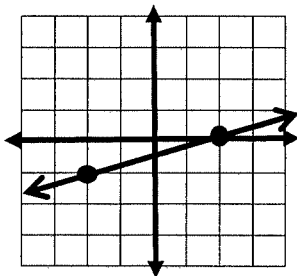
Find the slope of the line that passes through the points.

Count rise over run.

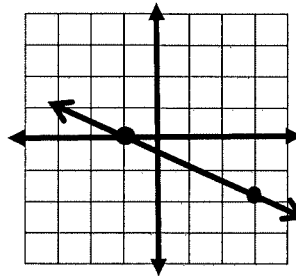
11. Slope= \_\_\_\_\_



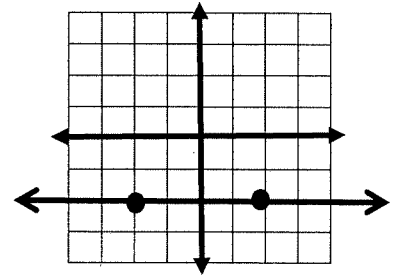
12. Slope= \_\_\_\_\_



13. Slope= \_\_\_\_\_



14. Slope = \_\_\_\_\_



15. A ramp has a rise of 10 feet and a run of 50 feet. Find its slope.

$(-3, -4)$   
&  
 $(-2, -8)$

$-4 \longleftrightarrow -1$

$(-3, 8)$   
&  
 $(3, 8)$

$0 \longleftrightarrow 2$

$(5, 1)$   
&  
 $(9, -7)$

$4/7 \longleftrightarrow 1$

$(-4, 5)$   
&  
 $(3, 6)$

$-12$   
 $\longleftrightarrow$   
 $-8$

$-4/5$   
 $\longleftrightarrow$   
 $16/0$

$8/3$   
 $\longleftrightarrow$   
 $1$

undef  
 $\longleftrightarrow$   
 $-2$

$3/2$   
 $\longleftrightarrow$   
 $1$

$-3/2$   
 $\longleftrightarrow$   
 $-1$

$1/7$   
 $\longleftrightarrow$   
 $-8$

$(-3, 9)$   
&  
 $(-1, -7)$

$-4 \longleftrightarrow -3$

$(-1, -2)$   
&  
 $(3, -4)$

$3 \longleftrightarrow 0$

$(4, -6)$   
&  
 $(-4, 2)$

$1/2 \longleftrightarrow 10$

$(-2, 9)$   
&  
 $(3, -1)$

$4$   
 $\longleftrightarrow$   
 $-2$

$-1$   
 $\longleftrightarrow$   
 $2$

$1$   
 $\longleftrightarrow$   
 $-1$

$-1/2$   
 $\longleftrightarrow$   
 $-2$

$2$   
 $\longleftrightarrow$   
 $5/2$

$-1/2$   
 $\longleftrightarrow$   
 $2$

$2$   
 $\longleftrightarrow$   
 $-2$

$(1, -4)$   
&  
 $(-3, 8)$

$-3 \longleftrightarrow 2/3$

**START**

$(5, -2)$   
&  
 $(-1, 2)$

$1 \longleftrightarrow 5/2$

$(-6, -3)$   
&  
 $(-4, -2)$

$1/2 \longleftrightarrow 0$

$(-4, 9)$   
&  
 $(-4, -9)$

undef  
 $\longleftrightarrow$   
 $-9/4$

HW 1

## WU 1

**Simplify each expression.**

1)  $-5b + 2(4b - 2)$

2)  $-5 - 4(-2 + 2n)$

**Solve each equation.**

3)  $-15 = k - 3 - 7k$

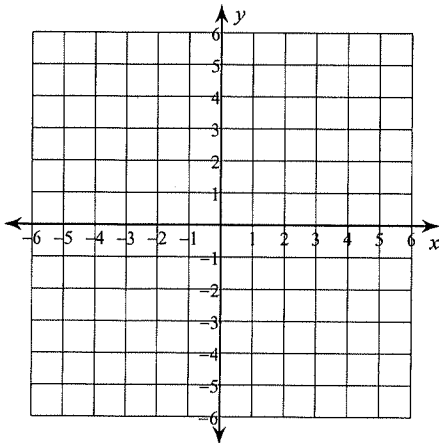
4)  $-23 = -6x - 7 + 2x$

5)  $3(3 - 3p) = 45$

6)  $4(4a - 4) = -64$

**Sketch the graph of each line.**

7)  $y = \frac{2}{3}x - 3$



8)  $y = -\frac{1}{2}x + 5$

