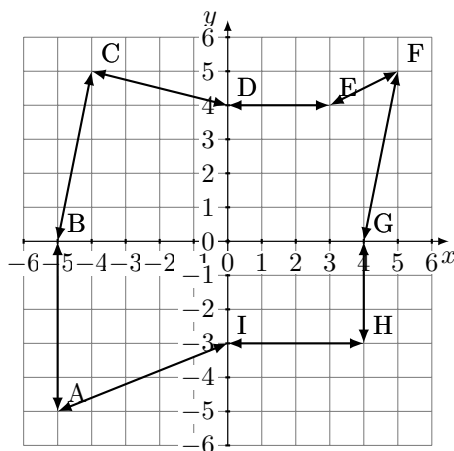


# 1 Identifying the four types of slope

Learning Goal: \_\_\_\_\_

- 1) Find the slope of each line segment. For each type of slope, list the segments that have that type of slope.



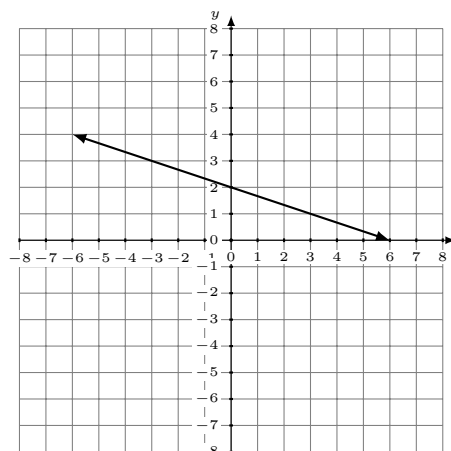
a) positive: \_\_\_\_\_

b) negative: \_\_\_\_\_

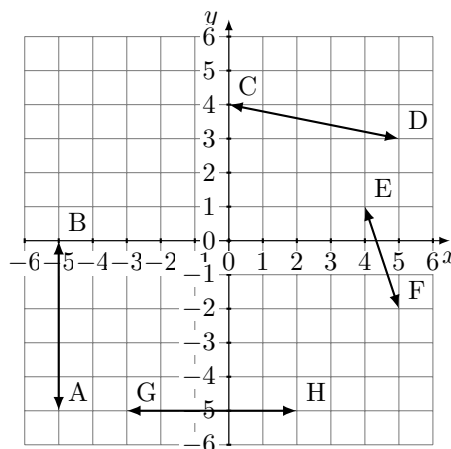
c) 0: \_\_\_\_\_

d) undefined: \_\_\_\_\_

- 3) What is the slope of the graph below?



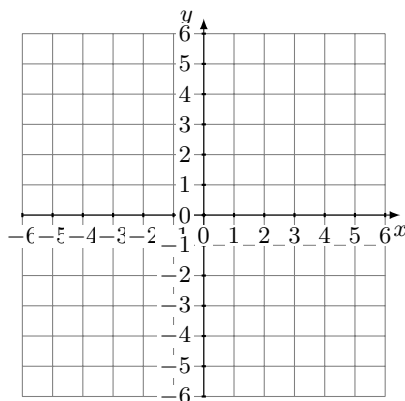
- 4) Match each line with the description of its slope



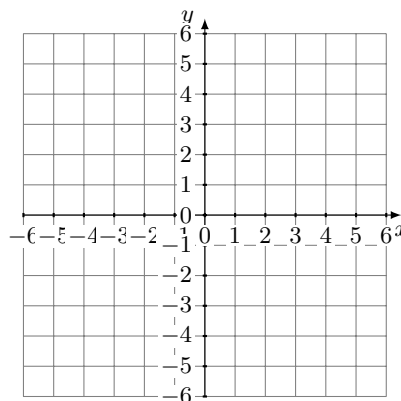
a)  $\overline{AB}$       positive  $\overline{CD}$       negative

b)  $\overline{EF}$       zero  $\overline{GH}$       undefined

- 2) Graph the equation  $y = \frac{3}{2}x$ . Is the slope positive, negative, zero, or undefined?



- 5) Graph the equation  $y = -\frac{1}{2}x$ . Is the slope positive, negative, zero, or undefined?



- 6) What is the rate of change of the relationship in represented by the table?

x	y
-4	0
-2	1
0	2

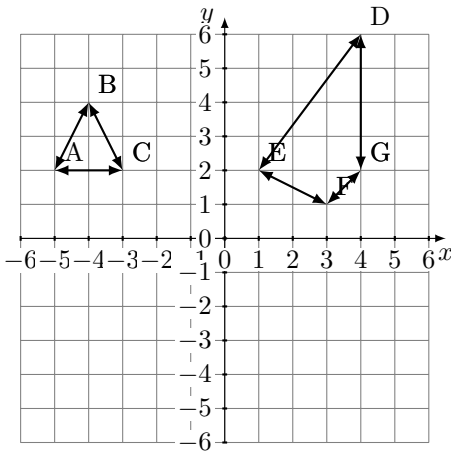
- 7) What is the slope of the line through the points  $(-1, 7)$  and  $(3, -9)$ ?

- 8) What is the rate of change of the relationship in represented by the table?

x	y
-5	1
-3	4
1	10

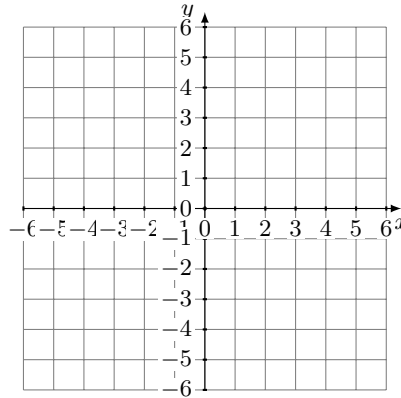
- 9) What is the slope of the line through the points  $(-2, 5)$  and  $(5, -5)$ ?

- 10) Find the slope of each line segment. For each type of slope, list the segments that have that type of slope.



- a) positive: \_\_\_\_\_  
 b) negative: \_\_\_\_\_  
 c) 0: \_\_\_\_\_  
 d) undefined: \_\_\_\_\_

- 11) Graph the equation  $y = 3x$ . Is the slope positive, negative, zero, or undefined?



- 12) Graph the equation  $y = -5x$ . Is the slope positive, negative, zero, or undefined?

