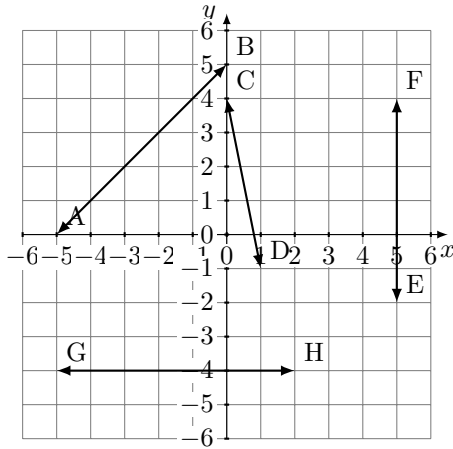


1 Identifying the four types of slope

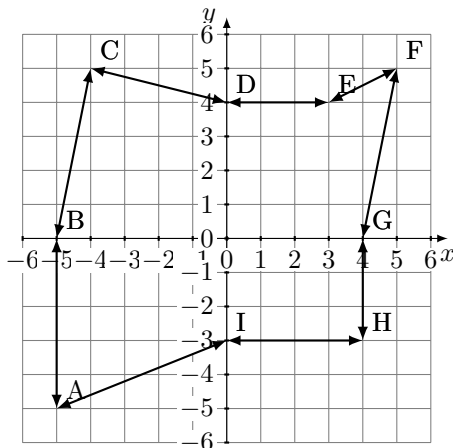
Learning Goal: _____

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



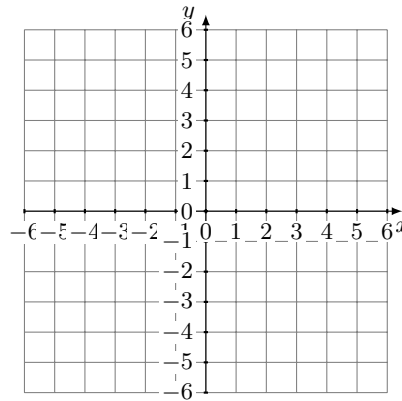
- | | |
|-------|-----------|
| a) AB | positive |
| b) CD | negative |
| c) EF | zero |
| d) GH | undefined |

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

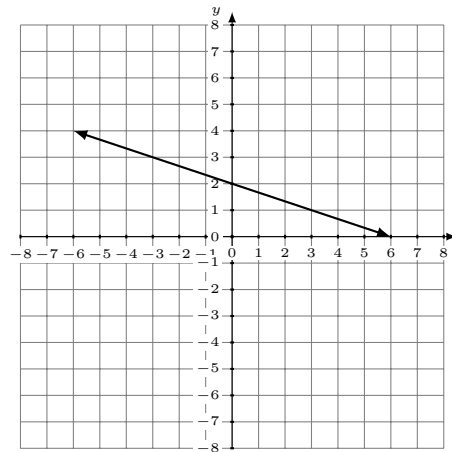


- a) positive: _____
- b) negative: _____
- c) 0: _____
- d) undefined: _____

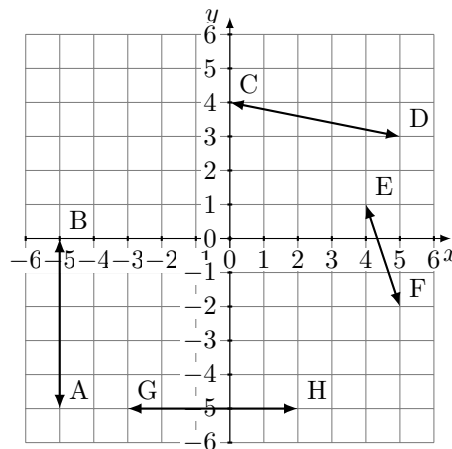
- 3) Graph the equation $y = \frac{3}{2}x$. Is the slope positive, negative, zero, or undefined?



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

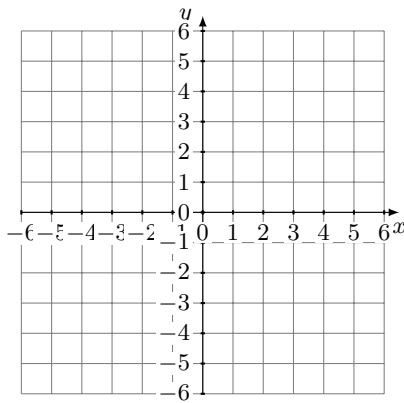


- 5) Match each line with the description of its slope



- | | |
|-------|-----------|
| a) AB | positive |
| b) CD | negative |
| c) EF | zero |
| d) GH | undefined |

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



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

| x | y |
|----|---|
| -4 | 0 |
| -2 | 1 |
| 0 | 2 |

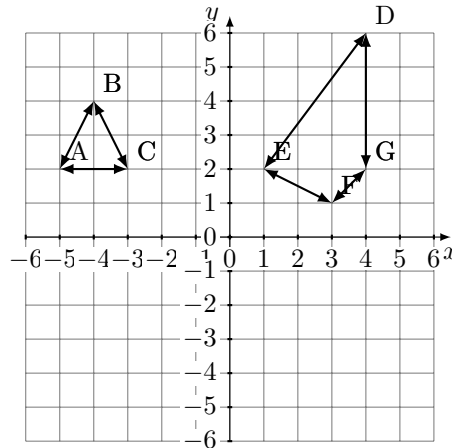
- 8) What is the slope of the line through the points $(-1, 7)$ and $(3, -9)$?

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

| x | y |
|----|----|
| -5 | 1 |
| -3 | 4 |
| 1 | 10 |

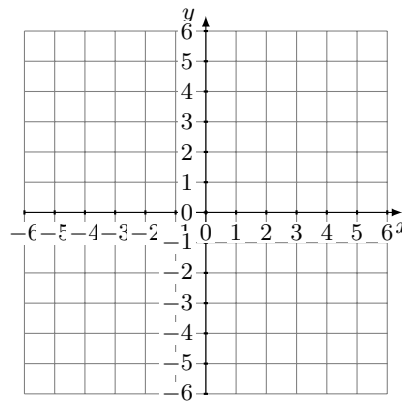
- 10) What is the slope of the line through the points $(-2, 5)$ and $(5, -5)$?

- 11) 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: _____

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



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

