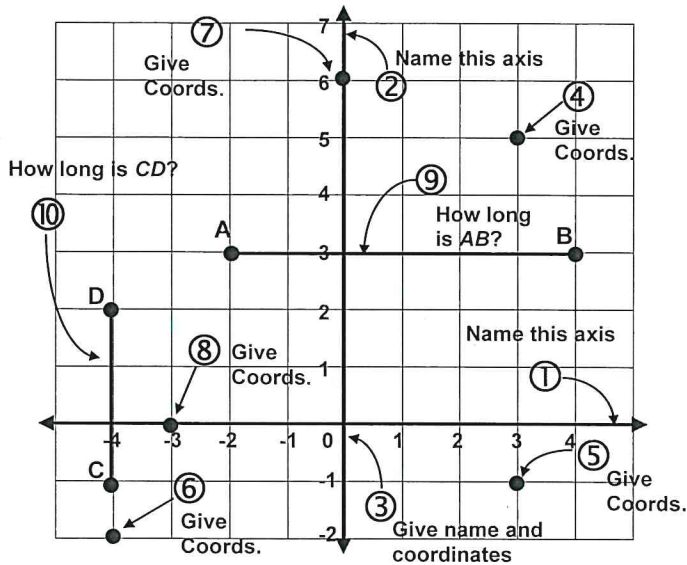


WARM-UP: Ordered Pairs

Answer the following questions in the space provided.



| | |
|----|--------------|
| 1 | x-axis |
| 2 | y-axis |
| 3 | origin (0,0) |
| 4 | (4, 3) |
| 5 | (-4, -1) |
| 6 | (-4, 2) |
| 7 | (-2, 3) |
| 8 | (-2, 3) |
| 9 | 6 units |
| 10 | 3 units |

Plot the points below on a Cartesian xy-plane. What shapes are formed if the points are joined in the order given?

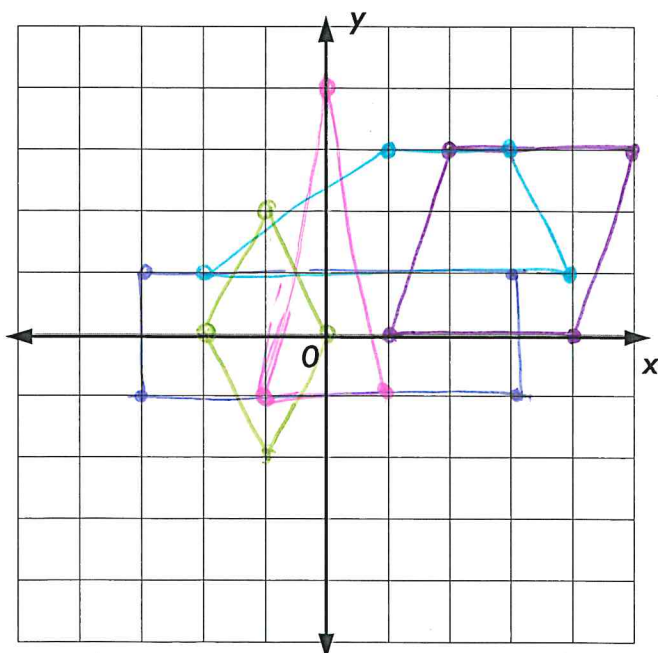
(a) $(-3, 1)$ $(3, 1)$ $(3, -1)$ $(-3, -1)$ $(-3, 1)$

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

(b) $(-1, -1)$ $(0, 4)$ $(1, -1)$ $(-1, -1)$

(e) $(-2, 0)$ $(-1, 2)$ $(0, 0)$ $(-1, -2)$ $(-2, 0)$

(c) $(2, 3)$ $(6, 3)$ $(5, 0)$ $(1, 0)$ $(2, 3)$

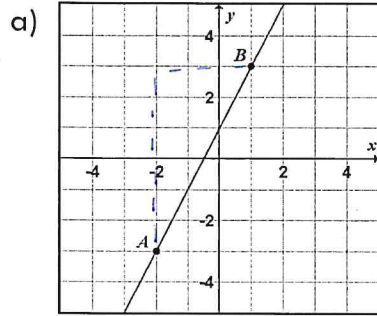


| | SHAPE |
|-----|---------------|
| (a) | Rectangle |
| (b) | Triangle |
| (c) | Parallelogram |
| (d) | Trapezoid |
| (e) | Kite |

FINDING SLOPE FROM A GRAPH

For each graph,

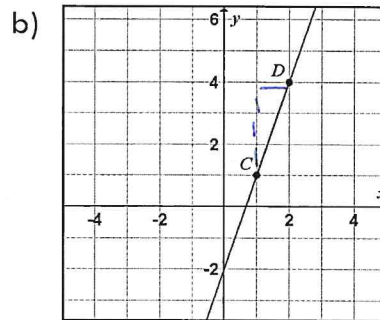
- i) determine the **rise** and the **run** between the pairs of points shown, and
- ii) calculate the **slope**



$$m = \frac{\text{rise}}{\text{run}}$$

$$= \frac{4}{3}$$

$$= 1\frac{1}{3}$$

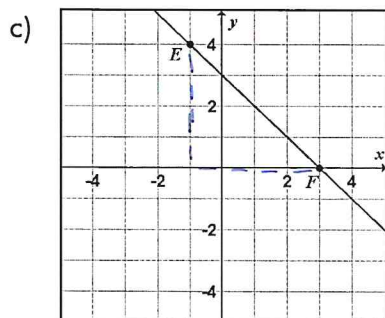


$$m = \frac{\text{rise}}{\text{run}}$$

$$= \frac{3}{1}$$

$$= 3$$

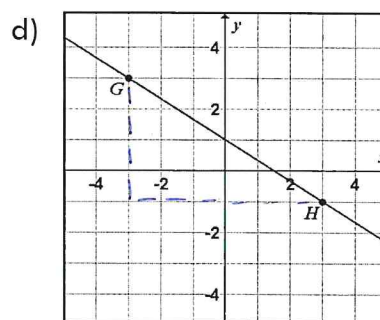
∴ the slope of AB is 1 1/3



$$m = \frac{\text{rise}}{\text{run}}$$

$$= \frac{3}{3}$$

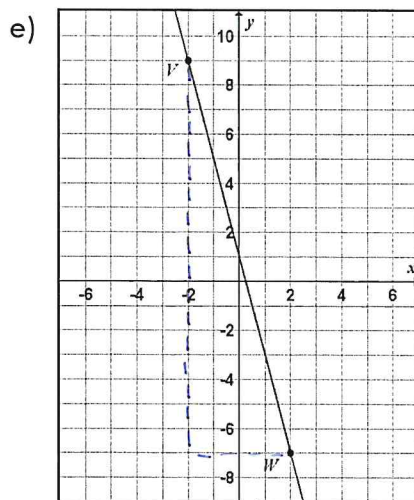
$$= 1$$



$$m = \frac{\text{rise}}{\text{run}}$$

$$= \frac{3}{3}$$

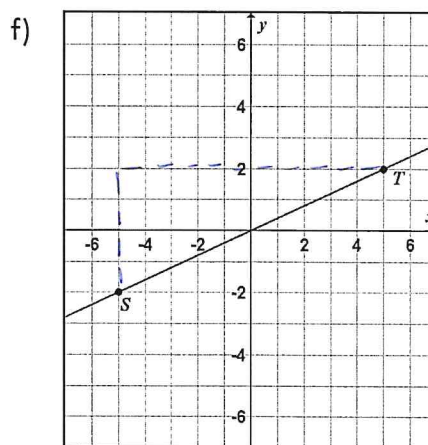
$$= 1$$



$$m = \frac{\text{rise}}{\text{run}}$$

$$m = \frac{16}{2}$$

$$m = 8$$



$$m = \frac{\text{rise}}{\text{run}}$$

$$m = \frac{2}{10}$$

$$m = \frac{1}{5}$$

Answers: a) 1 1/3

b) 3

c) 1

d) 1

e) 8

f) 1/5