

Name _____

Date _____

1. Use the coordinate plane below to complete the following tasks.

a. Line p represents the rule x and y are equal.

b. Construct a line, d , that is parallel to line p and contains point D .

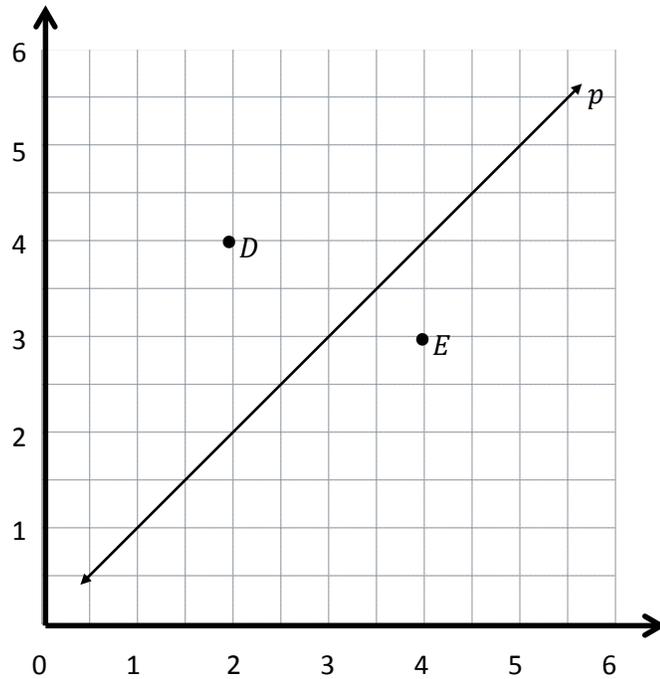
c. Name 3 coordinate pairs on line d .

d. Identify a rule to describe line d .

e. Construct a line, e , that is parallel to line p and contains point E .

f. Name 3 points on line e .

g. Identify a rule to describe line e .



h. Compare and contrast lines d and e in terms of their relationship to line p .

2. Write a rule for a fourth line that would be parallel to those above and would contain the point $(3\frac{1}{2}, 6)$. Explain how you know.

3. Use the coordinate plane below to complete the following tasks.

a. Line p represents the rule x and y are equal.

b. Construct a line, v , that contains the origin and point V .

c. Name 3 points on line v .

d. Identify a rule to describe line v .

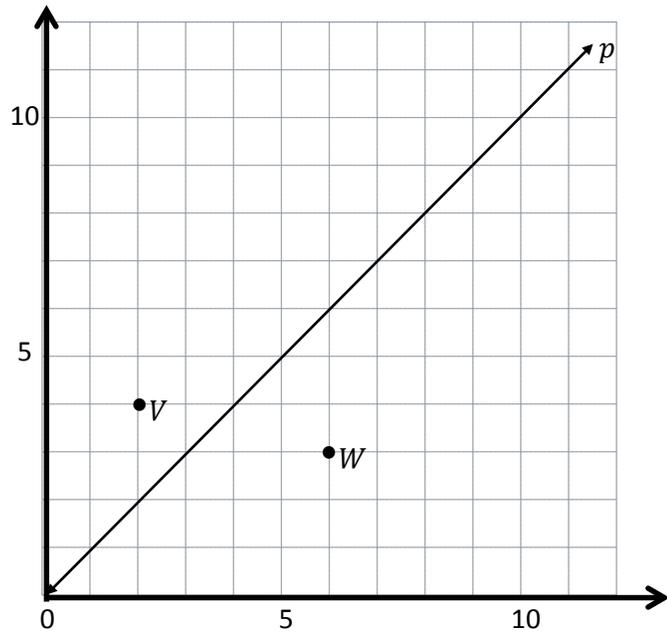
e. Construct a line, w , that contains the origin and point W .

f. Name 3 points on line w .

g. Identify a rule to describe line w .

h. Compare and contrast lines v and w in terms of their relationship to line p .

i. What patterns do you see in lines that are generated by multiplication rules?



4. Circle the rules that generate lines that are parallel to each other.

$add\ 5\ to\ x$

$multiply\ x\ by\ \frac{2}{3}$

$x\ plus\ \frac{1}{2}$

$x\ times\ 1\ \frac{1}{2}$