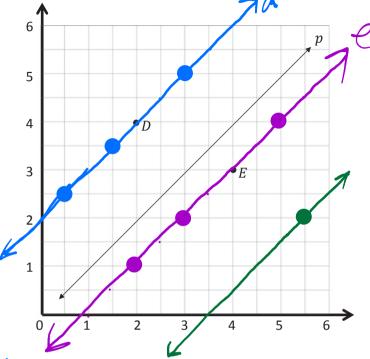
Name

Date

- 1. Use the coordinate plane 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 linep and contains point D.
 - c. Name 3 coordinate pairs on line d.

 $(\frac{1}{2}, 2\frac{1}{2}), (1\frac{1}{2}, 3\frac{1}{2}), (3,5)$



d. Identify a rule to describe line ${m d}.$

The y coordinate is 2

more than the X coordinate

- e. Construct a line, e, that is parallel to line p and contains point E.
- f. Name 3 points on line e.

(2,1),(3,2),(5,4)

g. Identify a rule to describe line e.

The y coordinate is I less than the x coordinate.

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

(Answers will vary.) I is above P, while e is below.



Lesson 10:

Compare the lines and patterns generated by addition rules and multiplication rules.

W

10

2. Write a rule for a fourth line that would be parallel to those above and that would contain the point

(5 $\frac{1}{2}$, 2). Explain how you know. The y is $3\frac{1}{2}$ less than χ . This is correct (Answers will vary.)

because 5=- 3== 2

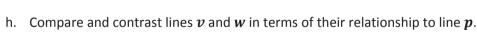
- 3. Use the coordinate plane below to complete the following tasks.
 - a. Line p represents the rule x and y are equal.
 - Construct a line, v, that contains the origin and point V.
 - c. Name 3 points on line v.

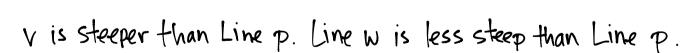
d. Identify a rule to describe line v.

y is
$$2 + imes \chi$$
.

- 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.





5

10

5

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

Multiplying by a number greater than I creates a steep line. Multiplying by a fraction less than I creates a non-steep line.



Lesson 10:

Compare the lines and patterns generated by addition rules and multiplication rules.