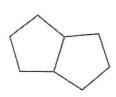
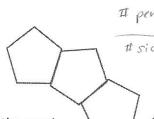
Math 9: Linear Relations Final Exam Review

Representing Patterns

a. Describe the relationship between the number of regular pentagons and the number of sides in the pattern.







sides (s) 5 8 11

5 = 3p + 2

Make a table of values shown the relationship between the number of pentagons and the number of sides. Write an equation to model the relation. How many sides would a shape with 12 pentagons have? How many pentagons are needed to make a figure of 29 sides?

9 pentagono.

b. What is the linear equation between the values in the table?

| Х | 0 | 1 | 2 | 3 |
|---|---|---|----|----|
| У | 5 | 8 | 11 | 14 |

C = 50h + 1000 c. A company rents a banquet hall that charges a flat rate of \$1000 and \$50 every hour the hall is used. Create a table of values to show this relationship. Develop an equation the cost to use the hall What: budget of \$4075, how many hours to the nearest hour could they rent the hall?

Interpreting Graphs

a. The graph shows a linear relation.

What is the approximate value of the y – coordinate whén x = 3? What is the approximate value of the x – coordinate when y = 1?

b. Apples cost \$1.25 per 1000g. Plot the data. From the graph approximate how much 6050 g will cost? From the graph approximate how many grams of apples you can purchase for

\$12.00.

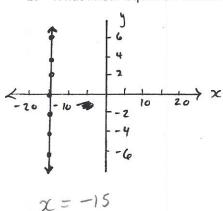
See Graph Paper 6050g ≈ \$8.13

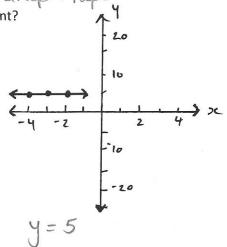
Graphing Linear Equations

a. Create a table of values and a linear equation to represent the table of values.

| х | -3 | -2 | -1 | 0 | 1 | 2 | 3 |
|---|----|----|----|---|---|---|---|
| У | -5 | -3 | -1 | 1 | 3 | 5 | 7 |

b. What linear equation does each graph represent?





Questions to Review

Chapter 6 Get Ready

Page

217 # 4 - 10

218 # 11 - 15, 17

226 # 4 - 11

228# 12 - 18

239 #4 - 12

240# 7a, 11b, 13 - 17

Linear Relations Assignment

Linear Relations Test

Data Analysis Questions to Review

Chapter 11 Get Ready

Page

419 #4 - 8

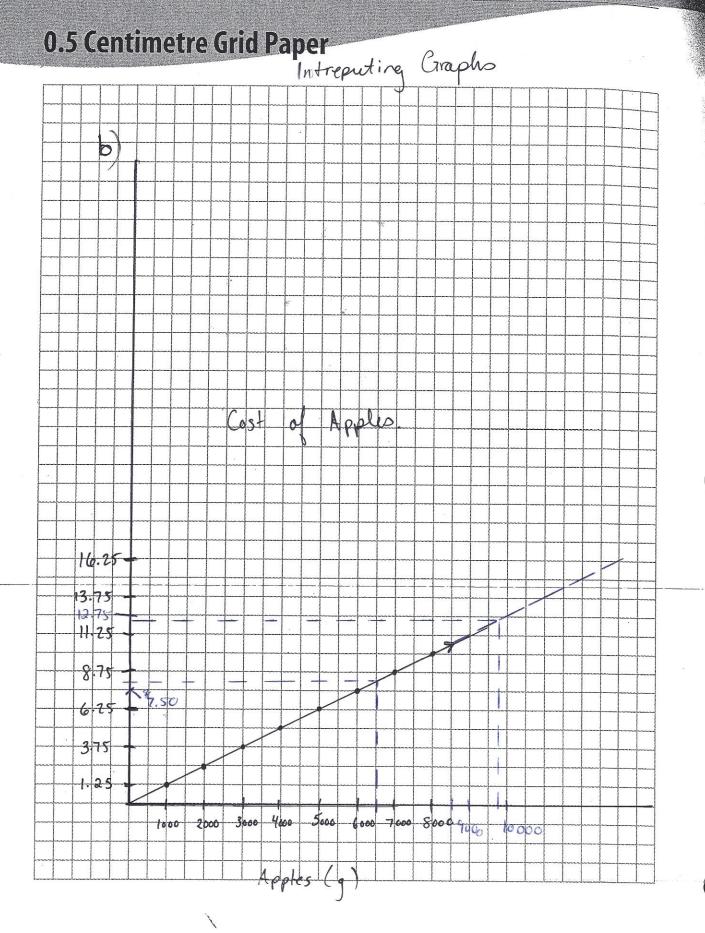
420 # 9 - 12, 14

426 #3 - 7

Data Analysis Assignment 1

Data Analysis Quiz

Data Analysis Test



0.5 Centimetre Grid Paper

Graphing Linear Equations.

