COMPARING SLOPES

Name:_____

Due Date _____ Hour_____

DIRECTIONS: In each problem determine which situation has the greatest rate of change (slope) and which situation has the smallest rate of change (slope). State what the rate of change (slope) is in ~~the table~~, equation, and graph, then compare.

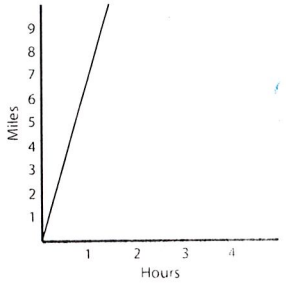
1- Below are representations of CJ, Holland, and Brandon's speed as they run a race.

CJ:

x (hours)	y (miles)
0	0
2	13
4	26
6	39

Holland: $y = 6x$

Brandon:



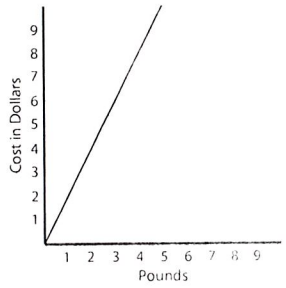
2- Below are representations of Smith's, Harmon's, and Macey's price on hamburger.

Smith's:

x (pounds)	y (dollars)
0	0
4	5
8	10
12	15

Harmon's: $y = \frac{7}{2}x$

Macey's:



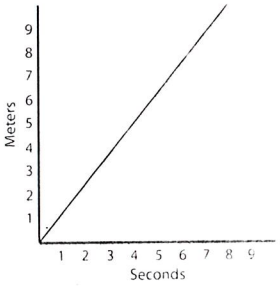
3- Below are representations of Tyler, Aubri, and Kyote's speed as they swim.

Tyler:

x (seconds)	y (meters)
0	0
4	6
8	12
12	18

Aubri: $y = \frac{3}{2}x$

Kyote:



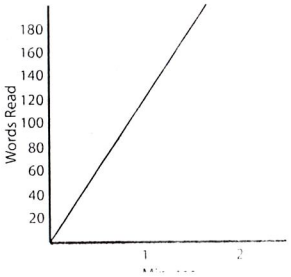
4- Below are representations of Braden, Omar and Malika's speed as they read.

Braden:

x (minutes)	y (words)
0	0
3	180
6	360
9	540

Omar: $y = 100x$

Malika:



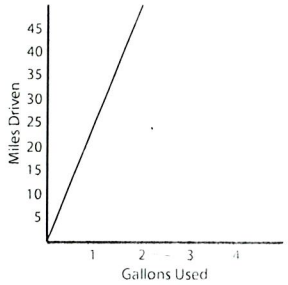
5- Below are representations of Jesse, Troy and Lucy's usage of gas.

Jesse:

x (gallons)	y (miles)
0	0
1	29
2	58
3	87

Troy: $y = 28x$

Lucy:



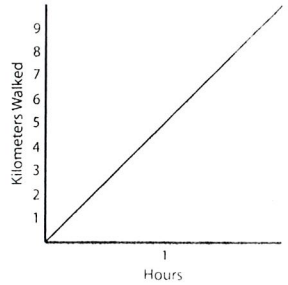
6- Below are representations of Tanner, Hunter, and Casey's speed as they walk.

Tanner:

x (hours)	y (km)
0	0
2	9
4	18
6	27

Hunter: $y = \frac{13}{4}x$

Casey:



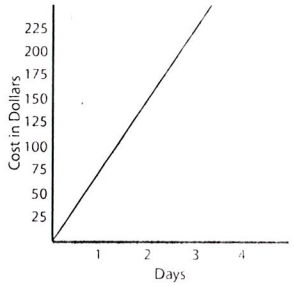
7- Below are representations of Dennis, Myriah, and Kameron's cost to rent a car.

Dennis:

x (days)	y (cost)
0	0
1	78
2	156
3	234

Myriah: $y = 78x$

Kameron:



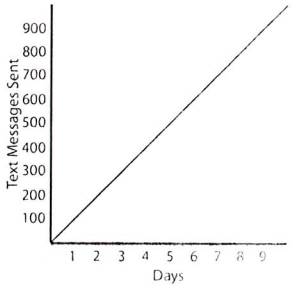
8- Below are representations of Jackson, Katie, and Christen's text message usage.

Jackson:

x (days)	y (texts)
0	0
0.5	75
1	150
1.5	225

Katie: $y = 160x$

Christen:



9- Below are representations of Stockton, Melissa, and Taylor's speed while driving.

Stockton:

x (hours)	y (miles)
0	0
0.5	30
1	60
1.5	90

Melissa: $y = 6x$

Taylor: