

# GROUP REPORT

*Representations Card Sort*

	GRAPH	TABLE	RULE	CONTEXT
Set A				
Set B				
Set C				
Set D				
Set E				
Set F				

**1**

**Area of a Square**

*To find the area of a square, you take the length of one side and multiply it by itself.*

$x$  = length of a side

$y$  = area of the square

**2**

**A Friend Comes to Visit**

*Your friend from another state is on a flight to come visit you.*

$x$  = the distance your friend is from their home city's airport

$y$  = the distance your friend is from your airport

**3**

**Field Trip Cost**

*The museum charges a lump sum for a class visit, which will be split evenly among the number of students going.*

$x$  = the number of students going on the trip

$y$  = the cost per student

**4**

**Appliance Repair**

*Your local repair person charges a flat fee for coming out to your house, plus an additional fixed fee per hour.*

$x$  = time the repair person has been at your house

$y$  = the total fee for the visit

**5**

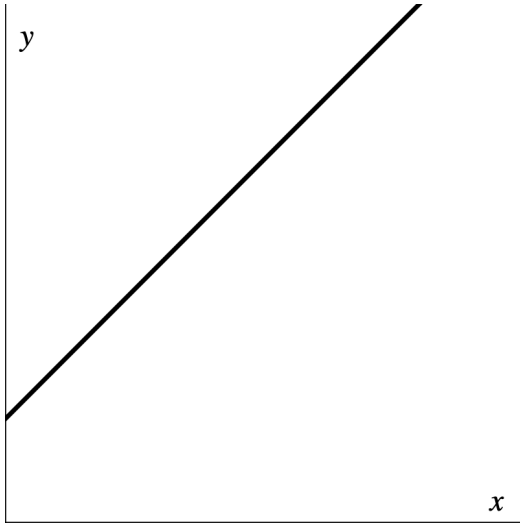
**Parking Meter**

*A parking meter charges you a fixed amount per minute to park your car downtown.*

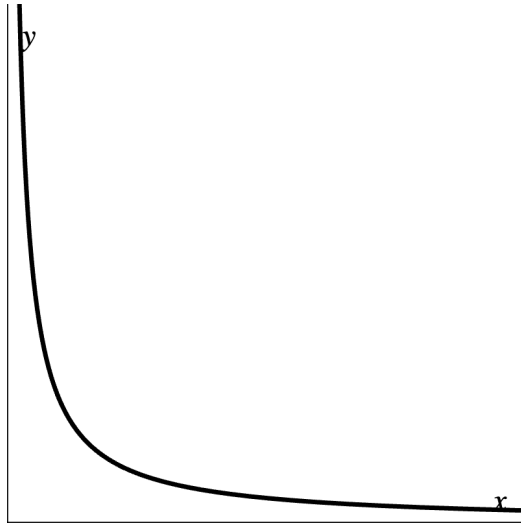
$x$  = number of minutes the car is parked

$y$  = the total parking meter fee

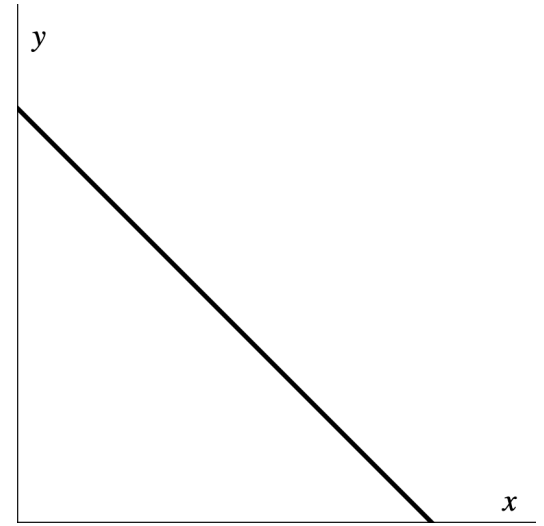
6



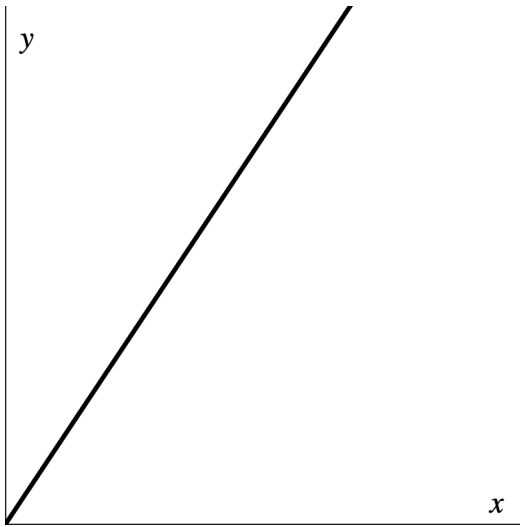
7



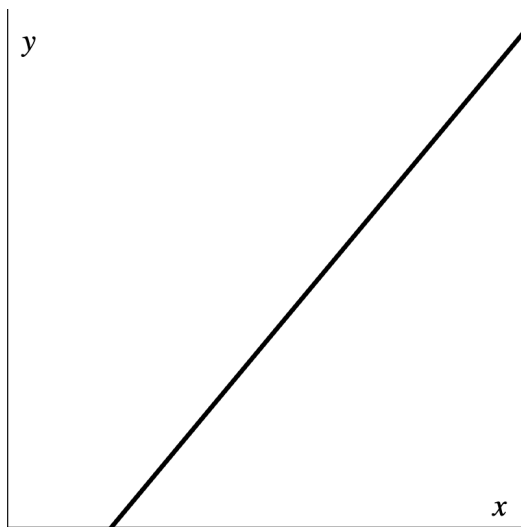
8



9



10



**11**

x	y
1	1,200
2	600
3	400
4	300
5	240

**12**

x	y
2	0
3	30
4	60
5	90
6	120

**13**

x	y
1	1
1.5	2.25
2	4
2.5	6.25
3	9

**14**

x	y
0	3,000
750	2,250
1,500	1,500
2,250	750
3,000	0

**15**

x	y
0	100
1	150
2	200
3	250
4	300

16

$$y = 1.50x$$

17

$$y = 100 + 50x$$

18

$$y = x^2$$

19

$$y = \frac{1200}{x}$$

20

$$y = 30(x - 2)$$