

PRACTICE

1) Find the rate of change for each relation. Then rank them in order from **least to greatest**.

a)

x	0	5	10	15
y	1	9	17	25

m = _____

c) The output of a function is three times the input

m = _____

b) $y = 1.5x + 2$

m = _____

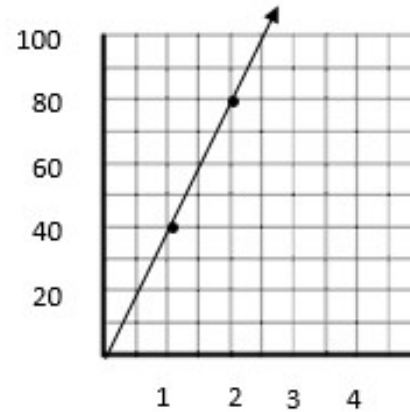
d) $(-2, 4), (2, -1), (6, -6)$

m = _____

Rank (least to greatest): _____, _____, _____, _____.

2). Find the rate of change for each car below. Then rank them in order from **least to greatest**.

Car A:



m = _____

Car B:

$y = 45x$

m = _____

Car C:

$(3, 50), (6, 170)$

m = _____

Car D:

x	y
2	60
5	150
10	300

m = _____

Rank (least to greatest): _____, _____, _____, _____.

3) Shawna is looking for a pet sitting company for her dog. She found four companies and would like to find the **rate** for each:

(a) *Beautiful Fur Babies*:

$$y = 5 + 3x$$

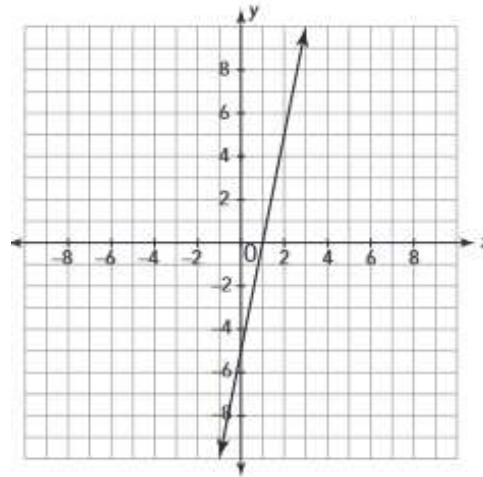
$m =$ _____

(b) *Darling Divas*:

charges \$2.75 per hour

$m =$ _____

(c) *Absolutely Perfect Pets*:



$m =$ _____

(d) *Cozy Critters*:

Hours	Cost (\$)
2	7
4	14
6	21
8	28

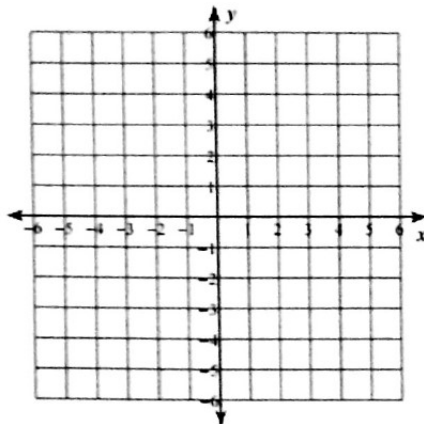
$m =$ _____

Order the business by rate of change (least to greatest)

1ST _____ 2ND _____ 3RD _____ 4TH _____

REVIEW

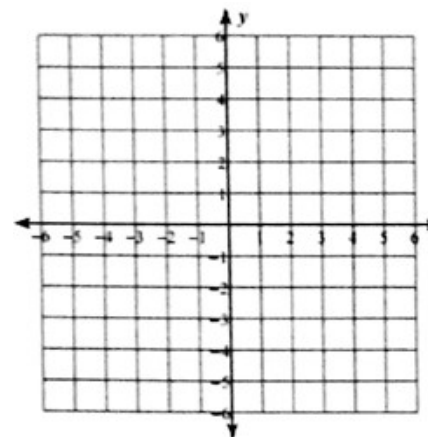
4) Identify the slope and y-intercept of this equation, and graph it.



$$y = \frac{3}{5}x - 1$$

$m =$ _____

$b =$ _____



$x = -3$

$m =$ _____

$b =$ _____

Function: Yes No

Reason:
