

3rd CBA Review

1. Which of these numbers is closest to -4 on the number line?



- A. $-\frac{3}{2}$
- B. $\frac{8}{2}$
- C. -4.5
- D. -3.75

2.

Which statement is true about the tables?

Table 1

x	y
0	0
2	6
4	12
6	18

Table 2

x	y
0	4
2	6
4	8
6	10

- (A) Both show an additive relationship.
- (B) Table 1 shows an additive relationship; Table 2 shows a multiplicative relationship.
- (C) Table 1 shows a multiplicative relationship; Table 2 shows an additive relationship.
- (D) Both show a multiplicative relationship.

3. Masie had a rope that she was going to make into ties for a race. Which shows the lengths of the rope she cut from greatest to least?

A. $8, 9/4, 3, 1/5$

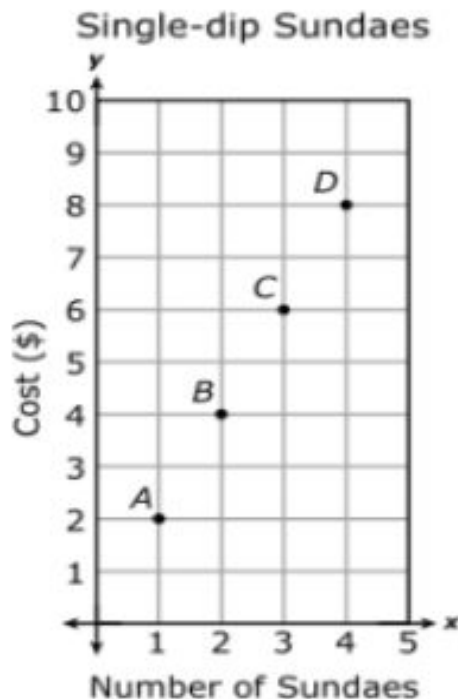
C. $8, 3, 1/5, 9/4$

B. $1/5, 9/4, 3, 8$

D. $8, 3, 9/4, 1/5$

4.

The graph shows the cost of single-dip ice cream sundaes at Braum's.



Which statement is true?

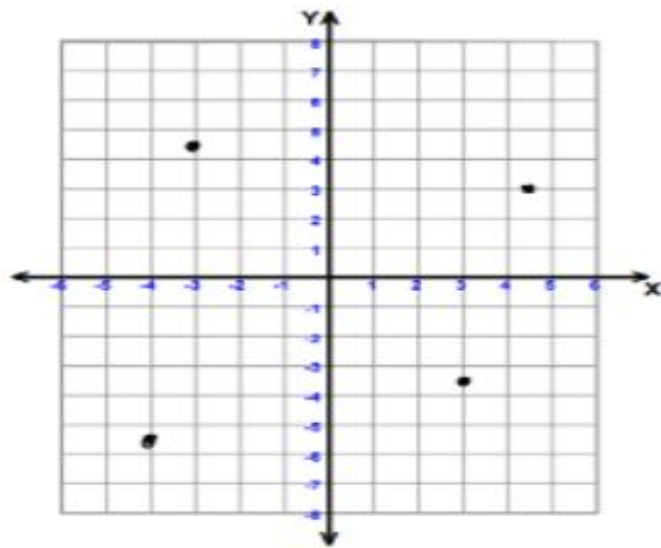
A. The number of sundaes ordered depends on the cost of the sundaes.

B. The cost of the sundaes depends on the number of sundaes ordered.

C. The number of sundaes is the dependent variable.

D. The cost of the sundaes is independent of the number of sundaes that are ordered.

5. Four points are graphed on a coordinate grid.



Which ordered pair does NOT appear to be represented by one of these points?

- A. $(4 \frac{1}{2}, 3)$
- B. $(-4, -5 \frac{1}{2})$
- C. $(3, \frac{-7}{2})$
- D. $(-4, \frac{-10}{2})$

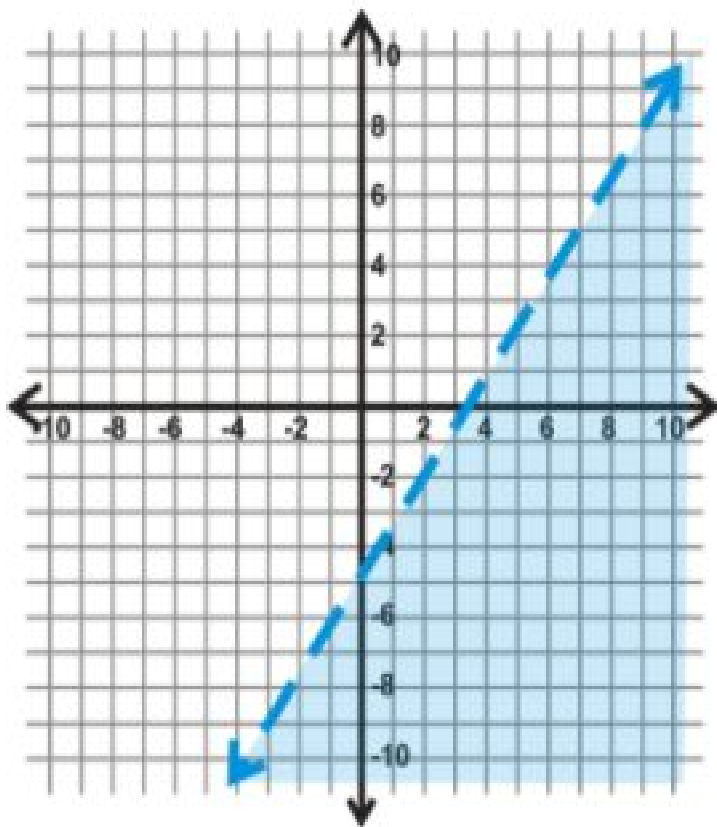
Which list shows the numbers in descending order?

Ⓐ $\frac{2}{3}$, 65%, $\frac{5}{8}$, 0.6

Ⓑ $\frac{2}{3}$, $\frac{5}{8}$, 0.6, 65%

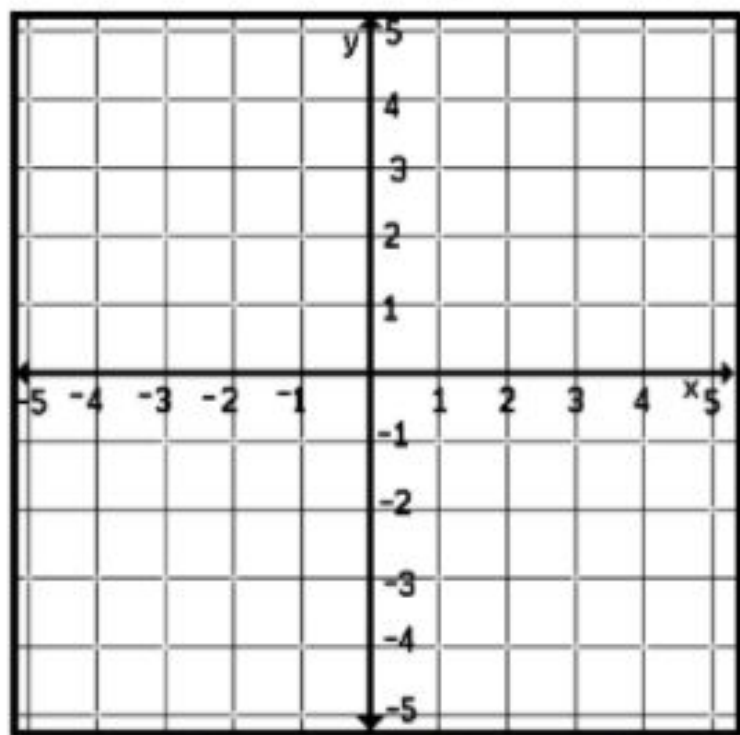
Ⓒ 65%, $\frac{2}{3}$, 0.6, $\frac{5}{8}$

Ⓓ $\frac{2}{3}$, 65%, 0.6, $\frac{5}{8}$



2. Which is a list of ordered pairs located in the shaded region?

- A. (6, 0), (8, -2) and (0, 9)
- B. (2, -3), (5, -1) and (9, -3.5)
- C. (0, -8), (-8, 0) and (4, -3)
- D. (-4, -2), (0, 6) and (-8, 5)



β. Which ordered pair represent a point that is 4 units to the left of the origin, 2 units above the x axis and lies in Quadrant 2?

- A. (4, 2)
- B. (-4, -2)
- C. (-4, 2)
- D. (4, -2)

4. The table shows the amount of money spent, d , on eating out for each month, m .

Months, m	Money Spent, d
2	\$128
3	\$192
4	\$256

Which equation could be used to find the relationship between the number of months, m , and the amount of money spent, d ?

- A. $d = 128m$
- B. $d = m + 64$
- C. $d = m + 126$
- D. $d = 64m$

5. The science class compared the differences in heights of their bean plants and recorded them below.

3, 7, 3, 2, 11, 1
20 10 4 5 20 4

. Which list shows the differences in order from greatest to least?

A. 3, 1, 2, 11, 7, 3
20 4 5 20 10 4

C. 11, 7, 3, 3, 2, 1
20 10 20 4 5 4

B. 1, 3, 2, 7, 3, 11
4 4 5 10 20 20

D. 3, 7, 11, 2, 1, 3
4 10 20 5 4 20

Ada can read 40 pages in 2 hours. She wants to read a total of 7 hours this week. Which proportion could NOT be used to find n , the number of pages she can read?

A. $\frac{40}{2} = \frac{n}{7}$

B. $\frac{2}{40} = \frac{7}{n}$

C. $\frac{40}{n} = \frac{2}{7}$

D. $\frac{40}{2} = \frac{7}{n}$

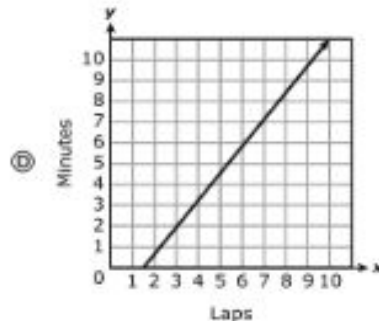
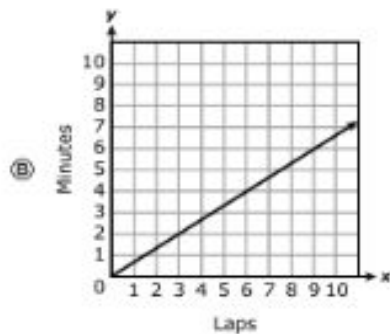
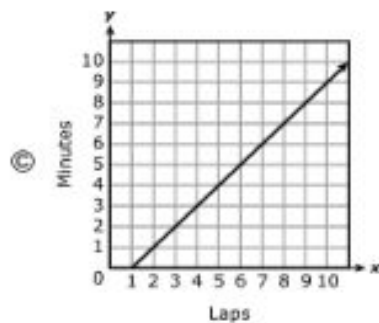
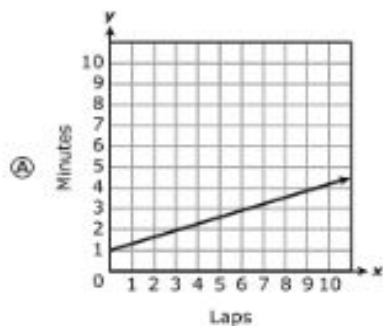
Kevin uses the table to calculate the hours that he works at his job at Taco World.

Number of Hours (H)	Amount of Money (M)
2	\$15
3	\$22.50
4	\$30
5	\$37.50

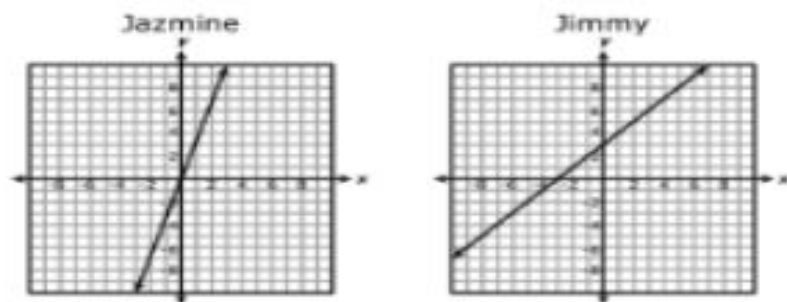
Which equation best represents the relationship between the independent and dependent quantities?

- A. $M = 2 + 7.5$
- B. $H = 7.5M$
- C. $M = 7.5H$
- D. $H = \frac{7.5}{M}$

Amber walks at a constant rate of speed. She walks for 2 minutes and completes 3 laps. Which graph best represents the relationship between minutes and laps completed?



Jazmine and Jimmy each created a graph in math class as shown below.



Which statement is NOT true?

- Ⓐ Jazmine's graph intersects the origin and represents a multiplicative relationship.
- Ⓑ The equation for Jimmy's graph is in the form $y = x + a$.
- Ⓒ The equation for Jazmine's graph is in the form $y = x + a$.
- Ⓓ Jimmy's graph does not intersect the origin and represents an additive relationship.

Simplify the expression. Write your answer in the space provided. _____

$$-15 - (-8) + (-14) - (-10)$$

