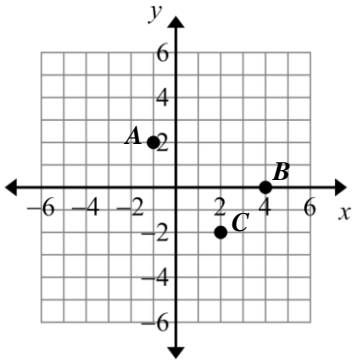


# Coordinate Plane/Tables & Charts

## Long-Term Memory Review – Grade 7

### Review 1

1. Name the coordinates of an ordered pair that is on the horizontal axis.
  
2. Name the quadrant on the coordinate plane where one would plot the ordered pair  $(-3,1)$ .
  
3. Match the points on the coordinate plane with the ordered pairs listed.  
 $(-1, 2)$  \_\_\_\_\_       $(2, -2)$  \_\_\_\_\_       $(4, 0)$  \_\_\_\_\_



4. James is a senior citizen taking his four-year-old granddaughter to the movies. The table below shows the ticket prices and the cost of candy at the movies.
  - a. If James buys a ticket for himself and his granddaughter, and two candies, then what is his total price to go to the movies?
  - b. For the situation above, James pays with a \$20 bill. How much change would James receive?

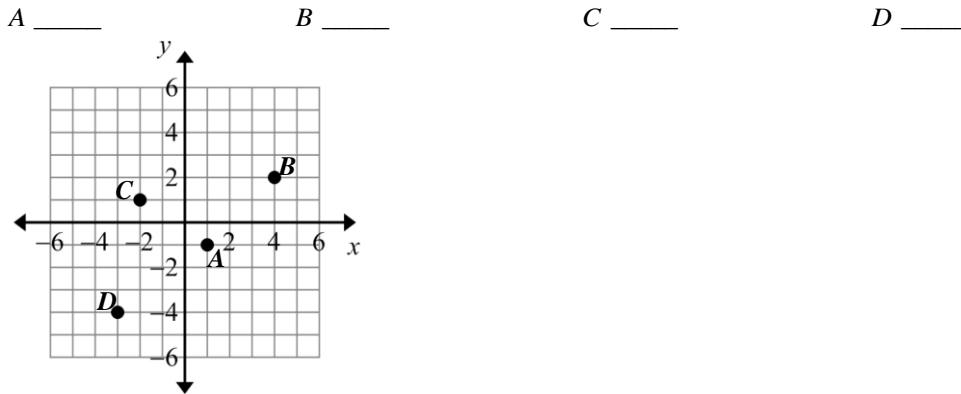
Item	Price
Adult Ticket	\$8.00
Senior Citizen Ticket	\$6.50
Child Ticket	\$5.75
Candy	\$3.00

# Coordinate Plane/Tables & Charts

## Long-Term Memory Review – Grade 7

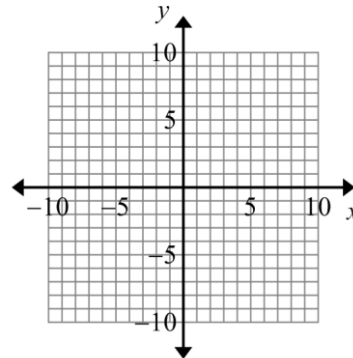
### Review 2

1. Name the coordinates of an ordered pair that is on the vertical axis.
2. Name the quadrant on the coordinate plane where one would plot the ordered pair  $(1,5)$ .
3. Give the coordinates of the points from the graph.



4. The given table illustrates a rule. Complete the table. Plot all points on the given graph and explain how you determined the coordinates for point C.

	x	y
A	-4	-7
B	-2	-3
C	0	
D	2	5
E	4	9



5. Maurice is a senior citizen taking his four-year-old grandson to the movies. The table below shows the ticket prices and the cost of candy at the movies.
  - a. If Maurice buys a ticket for himself and his grandson, and three candies, then what is his total price to go to the movies?
  - b. For the situation above, Maurice pulls out a \$20 bill. How much more money does Maurice need to make his purchase?

Item	Price
Adult Ticket	\$8.00
Senior Citizen Ticket	\$6.50
Child Ticket	\$5.75
Candy	\$3.00

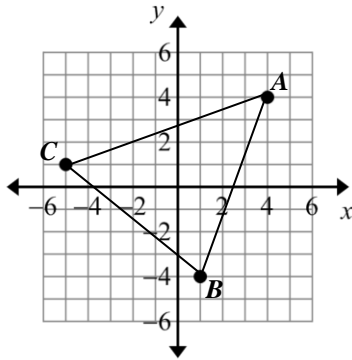
# Coordinate Plane/Tables & Charts

## Long-Term Memory Review – Grade 7

### Review 3

- The horizontal and vertical axes of a coordinate plane are also called the \_\_\_\_\_ and \_\_\_\_\_ axes, respectively.
- Name the quadrant on the coordinate plane where one would plot the ordered pair  $(-1, -10)$ .
- Give the coordinates of the vertices for the given triangle.

A \_\_\_\_\_ B \_\_\_\_\_ C \_\_\_\_\_

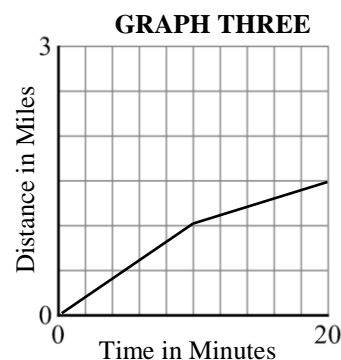
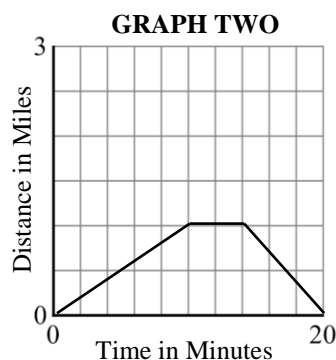
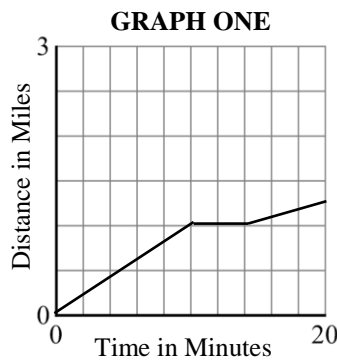


- Mitch is a senior citizen taking his two-year-old granddaughter to the movies. The table below shows the ticket prices and the cost of candy at the movies. Mitch has \$30.00 to spend on a movie ticket and candy for his granddaughter and himself. Write an equation that can be used to determine the maximum number of candies that Mitch can buy.

Item	Price
Adult Ticket	\$8.00
Senior Citizen Ticket	\$6.50
Child Ticket	\$5.75
Candy	\$3.00

- The list below details what Erin did in her gym class.
  - Ran for 10 minutes
  - Rested for 3 minutes
  - Walked for 7 minutes

Which graph best represents how Erin spent her gym time?

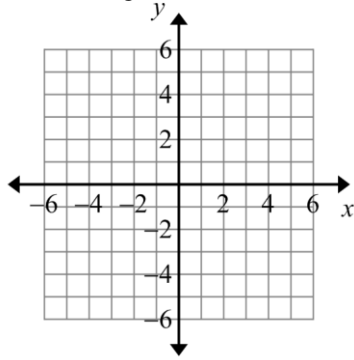


# Coordinate Plane/Tables & Charts

## Long-Term Memory Review – Grade 7

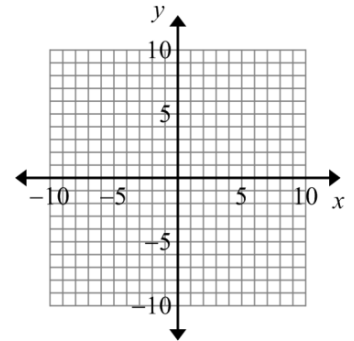
### Review 4

1. Name the axis of the coordinate plane that runs horizontally.
2. Name the quadrant on the coordinate plane where one would plot the ordered pair  $(2, -5)$ .
3. Use the coordinate plane mark and label a point  $J$  in the third quadrant that is three units to the left and four units down from the origin. Write the ordered pair of  $J$ .



4. Complete the table by using the equation  $y = 3x + 2$ . Then plot all points on the graph.

	$x$	$y$
A	-2	
B	-1	
C	0	
D	1	
E	2	



5. Moe is a senior citizen taking his five-year-old grandson to the movies. The table below shows the ticket prices and the cost of candy at the movies. Moe has \$40.00 to spend on a movie ticket and candy for his grandson and himself.

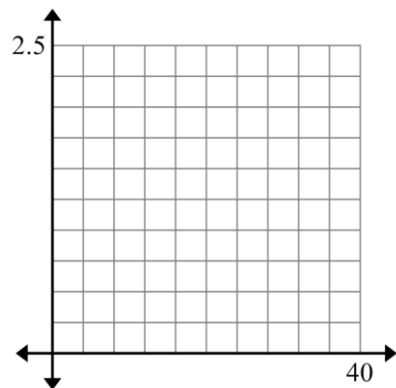
- a. Write an equation that can be used to determine the maximum number of candies that Moe can buy.
- b. Solve the equation you wrote in part a. Show your work.

Item	Price
Adult Ticket	\$8.00
Senior Citizen Ticket	\$6.50
Child Ticket	\$5.75
Candy	\$3.00

6. The list below details what Eric did in his gym class.

- a. Ran  $1\frac{1}{4}$  miles in 8 minutes
- b. Rested for 8 minutes
- c. Walked  $\frac{3}{4}$  miles in 16 minutes
- d. Ran  $\frac{1}{2}$  mile in 4 minutes
- e. Rested for 4 minutes.

Use the grid provided to label the axes and draw the graph that represents how Eric spent his gym time.



# Coordinate Plane/Tables & Charts

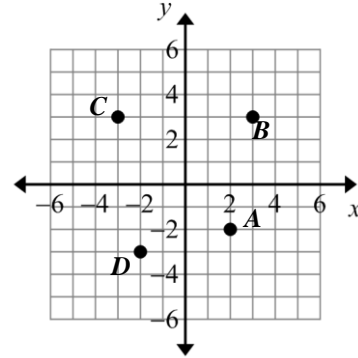
## Long-Term Memory Review – Grade 7

### Quiz

1. Name the coordinates of the point that lies on the horizontal and vertical axes.
2. Name the quadrant on the coordinate plane where one would plot the ordered pair  $(-2,5)$ .
3. Match the points on the coordinate plane with the ordered pairs listed.

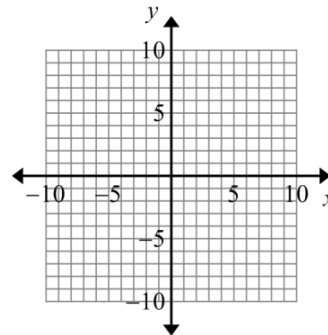
$(-3,3)$  \_\_\_\_\_       $(-2,-3)$  \_\_\_\_\_

$(2,-2)$  \_\_\_\_\_       $(3,3)$  \_\_\_\_\_



4. The given table illustrates a rule. Complete the table. Plot all points on the given graph and explain how you determined the coordinates for point C.

	x	y
A	-3	-3
B	-2	0
C		
D	0	6
E	1	9



5. Michael is a senior citizen taking his three-year-old grandson to the movies. The table below shows the ticket prices and the cost of candy at the movies. Michael has \$24.00 to spend on a movie ticket and candy for his grandson and himself.

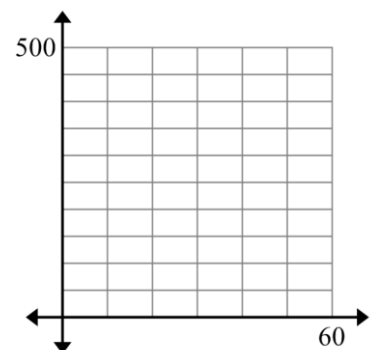
- a. Write an equation that can be used to determine the maximum number of candies that Moe can buy.
- b. Solve the equation you wrote in part a. Show your work.

Item	Price
Adult Ticket	\$8.00
Senior Citizen Ticket	\$6.50
Child Ticket	\$5.75
Candy	\$3.00

6. Laura wanted to graph a trip she took to the front office during second period on Tuesday of last week. Laura was in her math class during second period and the office is located on the opposite side of the school. Here are the details of her trip:

- a. She walked 200 feet toward the office for 20 seconds.
- b. She stopped at the fountain for 10 seconds.
- c. She walked 250 feet toward the office for another 30 seconds.

Use the grid provided to label the axes and draw the graph that represents Laura's trip to the front office.



# Coordinate Plane/Tables & Charts

Long-Term Memory Review – Grade 7

## Answers

### Review 1- Answers

- 1)  $(x, 0)$  where  $x \in \mathbb{R}$
- 2) Quadrant II
- 3) A, C, B
- 4) a) \$18.25 b) \$1.75

### Review 2- Answers

- 1)  $(0, y)$  where  $y \in \mathbb{R}$
- 2) Quadrant I
- 3)  $A(1, -1); B(4, 2); C(-2, 1); D(-3, -4)$
- 4)  $C(0, 1)$ ; other points lie on a line
- 5) a) \$21.25 b) \$1.25

### Review 3- Answers

- 1)  $x, y$
- 2) Quadrant III
- 3)  $A(4, 4); B(1, -4); C(-5, 1)$
- 4)  $6.50 + 5.75 + 3x = 30$
- 5) Graph One

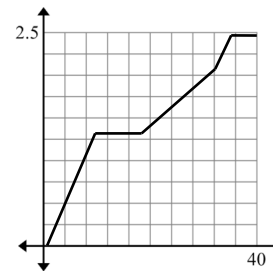
### Review 4- Answers

- 1)  $x$ -axis
- 2) Quadrant IV
- 3)  $J(-3, -4)$
- 4)  $y$ -column:  $-4; -1; 2; 5; 8$
- 5) a)  $6.50 + 5.75 + 3x = 40$  b) 9 candies

### Quiz- Answers

- 1)  $(0, 0)$
- 2) Quadrant II
- 3)  $A(2, -2); B(3, 3); C(-3, 3); D(-2, -3)$
- 4)  $C(-1, 3)$
- 5) a)  $6.50 + 5.75 + 3x = 24$  b) 3 candies

6)



6)

