

**Monday, October 21**

**Warm-up:** Evaluate  $30 - 3^3 \div 9 + 4 \times 2$

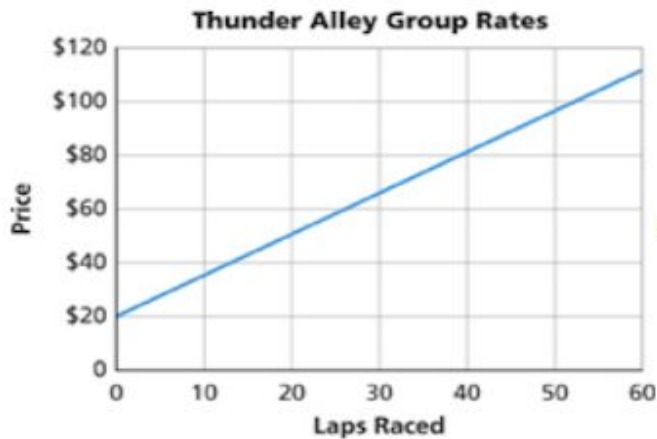
In Class: Graphing Handout

**Homework:** Desi is planning a go-kart party. Kartland gives him a table of group rates (prices). Thunder Alley gives him a graph of group rates.



Kartland Price Packages

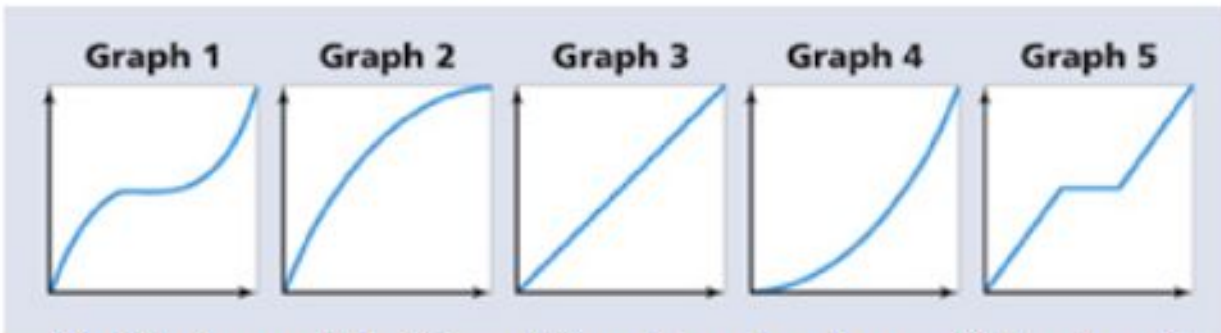
Number of Laps Raced	10	20	30	40	50	60
Cost	\$25	\$45	\$65	\$85	\$105	\$125



- 1.) Find the cost at both locations for 50 laps.
- 2.) Find the cost at both locations for 20 laps.
- 3.) Find the cost at both locations for 35 laps.
- 4.) Which location seems to offer the better deal?

**Tuesday, October 22**

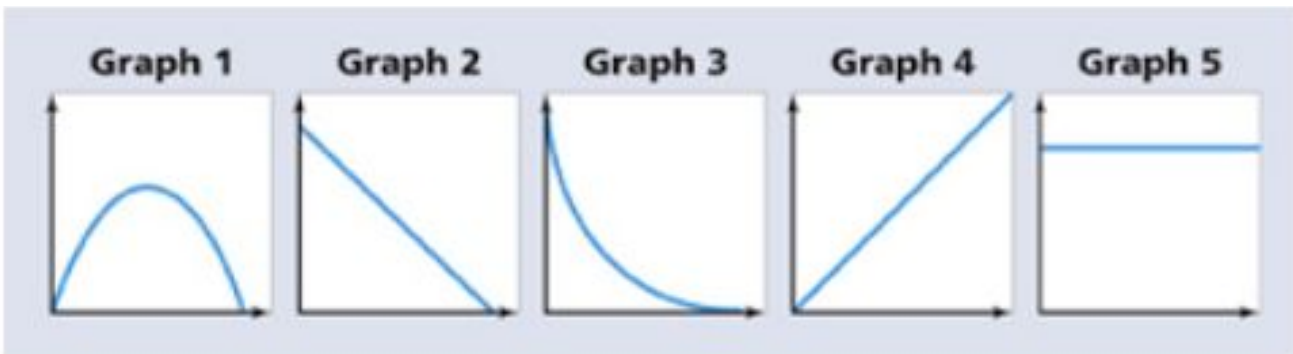
**Warm-up:** Suppose a motion detector tracks the time and the distance traveled as you walk 40 feet in 8 seconds. The results are shown in the graphs below. Match the (time,distance) graphs with its story.



- a. You walk at a steady pace of 5 feet per second.
- b. You walk slowly at first, and then steadily increase your walking speed.
- c. You walk rapidly at first, pause for several seconds, and then walk at an increasing rate for the rest of the trip.
- d. You walk at a steady rate for 3 seconds, pause for 2 seconds, and then walk at a steady rate for the rest of the trip.
- e. You walk rapidly at first, but gradually slow down as you reach the end of the walk.

**In Class:** Story of the Graph lesson 2.4

**Homework:** The graphs below show five patterns for the daily sales of a new video game as time passed after its release. Match each (time, sales) graph with the story it tells.



- a. The daily sales declined at a steady rate.
- b. The daily sales did not change.
- c. The daily sales rose rapidly, then leveled off, and then declined rapidly.
- d. The daily sales rose at a steady rate.
- e. The daily sales dropped rapidly at first and then at a slower rate.

**Wednesday, October 23 - Class Celebration Day and Early Release Day**

**Warm-up:** Evaluate  $2 + 2 - 2 \times 2 + 2 - 2$

**In Class: Celebrate with math games**

**Homework:** Evaluate  $10 + 30 \div 5 - 8$

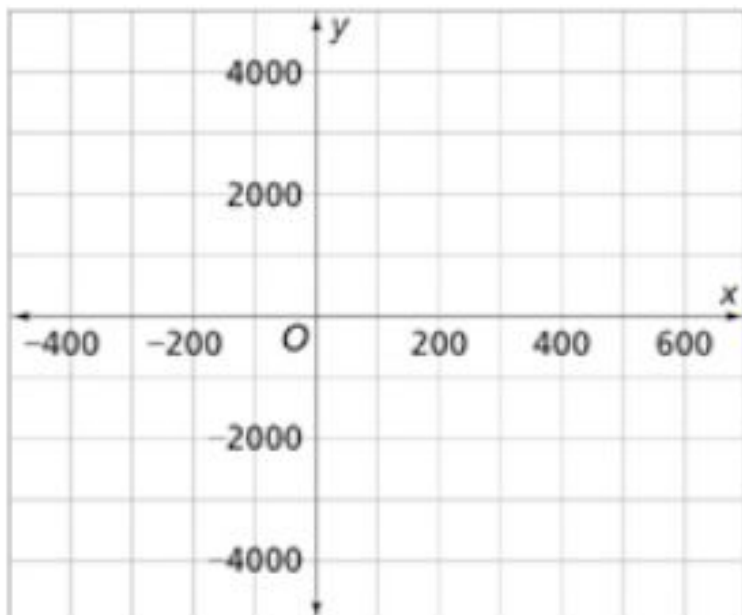
**Thursday, October 24**

**Warm-up:** Calculator skill. The table below shows the relationship between profit and price. Complete the table.

Tour Price	\$100	\$150	\$200	\$250	\$300	\$350	\$400	\$450	\$500
Number of Customers	40	35	30	25	20	15	10	5	0
Tour Income \$	\$4000								
Operating Cost \$	\$6000								
Profit or Loss	\$-2,000								

**In Class:** IXL X1-X6

**Homework:** Celia and Malcolm want a picture of profit prospects for the tour business. Graph the price and profit data from today's warm-up. Highlight the area of the graph that suggests the best tour price and the worst tour price in another color.



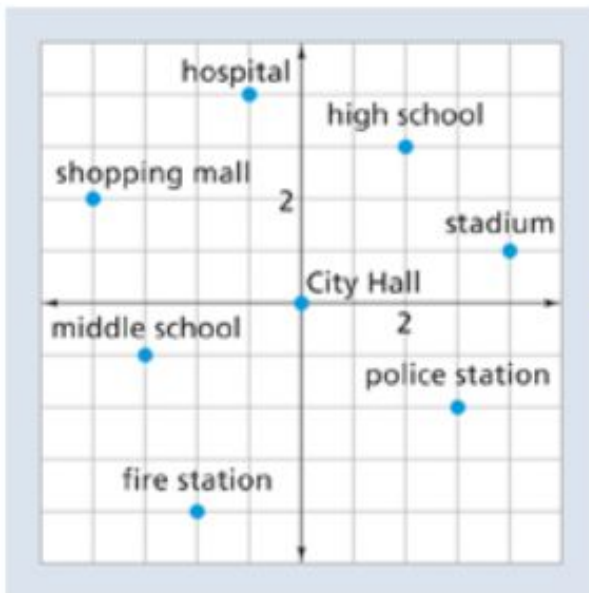
**Friday, October 25**

**Warm-up:**

9. Coordinate graphs with four quadrants can also be used for locating places on a map. The four boxes in the table below show where in the four quadrants the  $x$ - and  $y$ -values will be positive and negative.

$(-, +)$	$(+, +)$
$(-, -)$	$(+, -)$

Use the table and the map grid to give coordinates locating each labeled site. Write the coordinates as  $(x, y)$ .



- a) City Hall
- b) Hospital
- c) Stadium
- d) Police Station
- e) Fire Station
- f) Middle School
- g) High School
- h) Shopping Mall

**In Class:** X1- X6 on IXL

**Homework:** Be a Kid!