Problem 1

The graph in this problem displays the cost of rental for different number of videos at the Videos-R-Us store.

Please use the graph to answer these questions.

1. How much does it cost to rent 1 video?
2. How much does it cost to rent 2 videos?
3. How many videos can you rent with $6?
4. How much does it cost to rent 4 videos?
5. How many videos can you rent with $10?

Have to enter x-axis heading and y-axis heading into table. Also, units for each.

Possible headings- (x): number of videos rented, videos rented, number of videos

(y): the cost of the rentals, cost of rentals, cost of video rentals, rental cost

Units- (x): videos

(y): dollars, $

--graph--

(1,2), (2,4), (3,6), (4,8), (5, 10)

x-axis: Videos Rented

y-axis: Rental Cost ($)

Problem 2

Chris is flying from Pittsburgh to Seattle for a vacation. The graph in this problem shows Chris’ distance from Pittsburgh based on the amount of time he has been flying.

Please use the graph to answer these questions.

1. How far from Pittsburgh is Chris before the plane takes off?
2. Before Chris takes a nap, the pilot announces that the plane is 375 miles away from Pittsburgh. How long has Chris been on the plane?
3. How far is Chris from Pittsburgh after 4 hours?
4. When the flight attendant gives Chris some peanuts and soda, he tells Chris that they are now 1500 miles from Pittsburgh. How long has Chris been on the plane?
5. If the flight takes a total of 8 hours, how far from Seattle is Pittsburgh?

--graph--

y=250x

x-axis: Amount of Time Chris has been Flying, Time Chris has been Flying (hours)

y-axis: Distance from Pittsburgh (miles)

Problem 3

The graph in this problem displays the cost of buying different numbers of sodas at a snackbar.

Please use the graph to answer these questions.

1. How much does it cost to buy 2 sodas?
2. 3 sodas?
3. $6?
4. 6 sodas?
5. $12?

--graph--

y=1.5x

x-axis: Sodas bought

y-axis: Cost ($)

Problem 4

You start a new exercise program that involves lifting weight. When you start, you can already lift 25lbs. By slowly adding more weight each week, you are able to lift larger and larger amounts of weight. The graph in this problem shows the amount of weight you will be able to lift for different numbers of weeks of training.

Please use the graph to answer these questions.

1. How much can you lift after 1 week of training?
2. After 2 weeks?
3. How many weeks will it be before you can lift 45 lbs?
4. After 7 weeks?
5. 75 lbs?

--graph--

y=5x+25

x-axis: Time (weeks)

y-axis: Pounds (lbs)

Problem 5

Mr. Smith decides to throw a pizza party for his students. He asks how many people are coming. To figure out how much to order, he calculates ½ of a pizza for everyone who said he is coming, plus 3 extra pizzas to cover extra people. The graph in this problem shows number of pizzas ordered for different numbers of students coming.

Please use the graph to answer these questions.

1. If 4 students come to the party, how many pizzas will Mr. Smith buy?
2. If 8 students?
3. How many students is Mr. Smith expecting if he buys 8 pizzas?
4. If 32 students?
5. 13 pizzas?

--graph--

y=.5x+3

x-axis: Number of students, students

y-axis: Number of pizzas ordered, Pizzas ordered