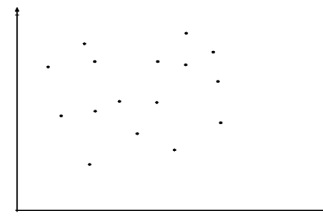


Relationships Review

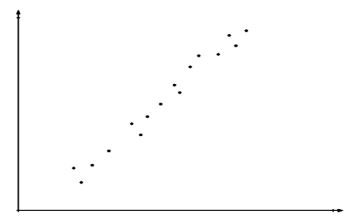
Which scatter plot shows positive correlation?

Question 1 (10)

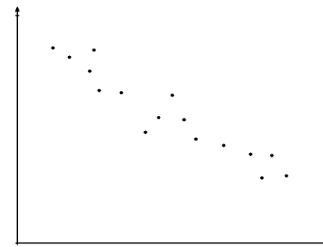
A)



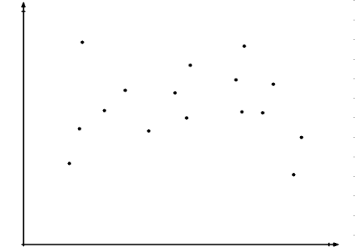
C)



B)



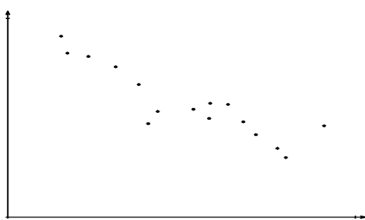
D)



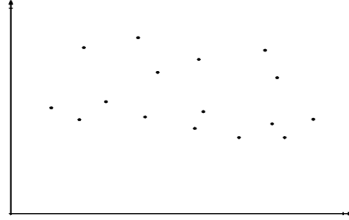
Which graph most likely shows the relationship between the temperature outside and the number of people at the pool?

Question 2 (10)

A)



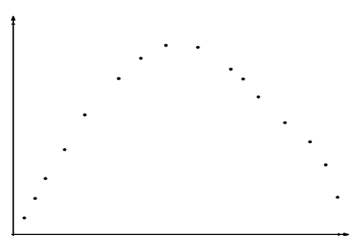
C)



B)



D)



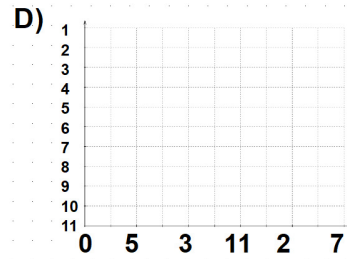
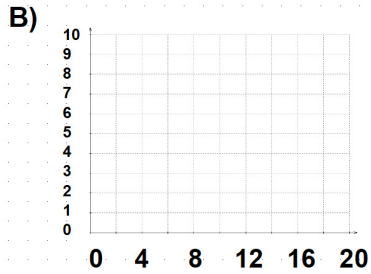
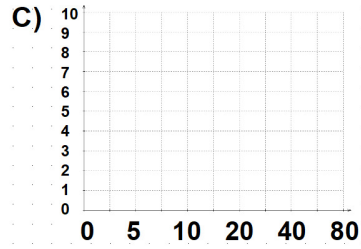
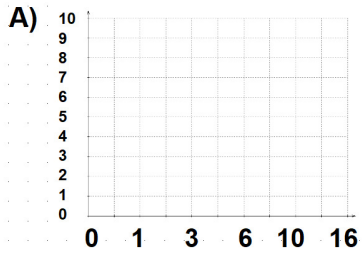
What type of relationship most likely exists between the price of an iPod and the number sold?

Question 3 (10)

- A) no correlation
- B) good correlation
- C) positive correlation
- D) negative correlation

Which of these graphs has a reasonable scale?

Question 4 (10)



George gets paid \$50 per day plus \$2 for each chair he assembles. The two variables involved are number of chairs and amount of pay. Which variable is the dependent variable?

Question 5 (10)

- A) \$2
- B) \$50
- C) number of chairs
- D) amount of pay

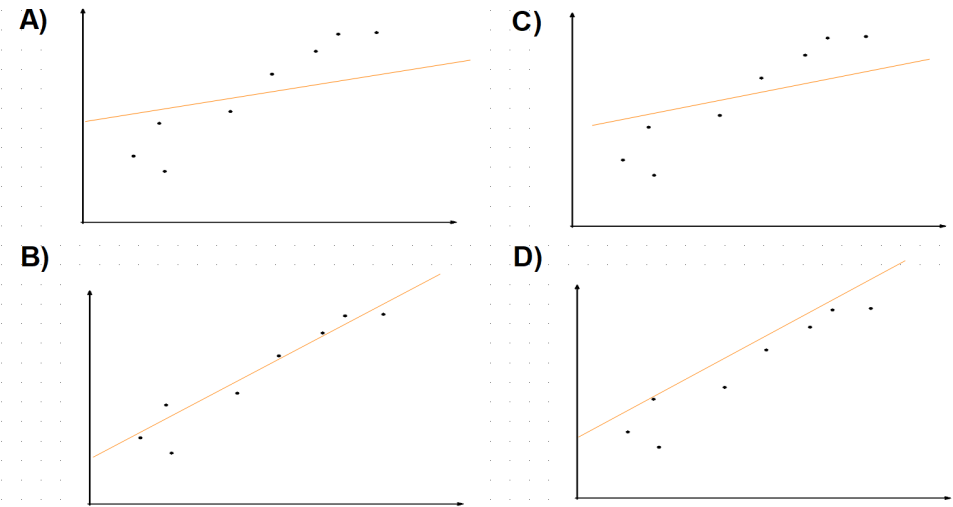
Lynn kicks a ball into the air. The two variables involved are time and height. Which variable is the independent variable?

Question 6 (10)

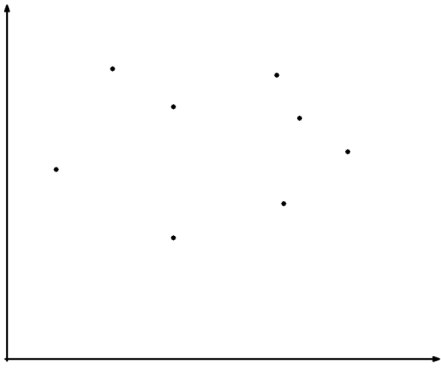
- A) time
- B) height
- C) it doesn't matter
- D) none of the above

Which line "best fits" the data given?

Question 7 (10)

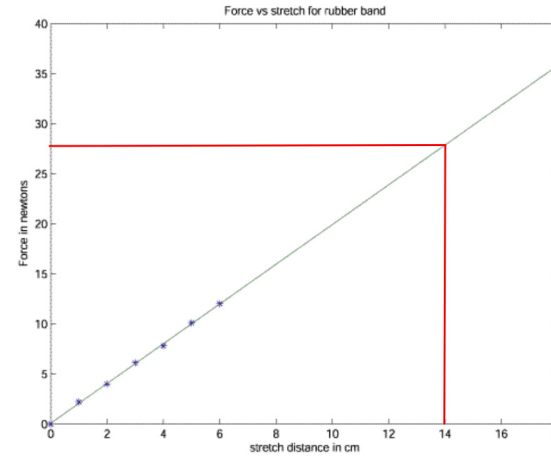


What kind of relationship exists in the following graph?



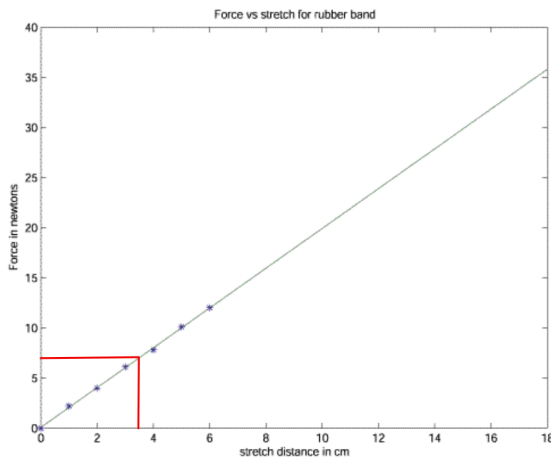
- A) positive correlation
- B) no correlation
- C) negative correlation
- D) good correlation

Ricardo used the following graph to determine the force of a rubber band when it is stretched 14 cm. This is an example of:



- a) Interpolation
- b) Extrapolation
- c) All of the above
- d) None of the above

Ricardo used the following graph to determine the force of a rubber band when it is stretched 3.5 cm. This is an example of:



- a) Interpolation
- b) Extrapolation
- c) All of the above
- d) None of the above