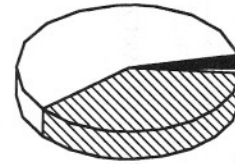# Quiz 7 on Graphs, Signed Numbers, Statistics, Probability, and Measurement

1) According to this chart, CD sales units were about _____ of total sales.

    A) 60%   B) 40%

    C) 20%   D) 10%

1990 Recording Media Sales
Sales in millions of units

Cassettes 442

Records 27
Music Videos 9

CD's 288

2) Music Video sales were _____ units.

    A) 9   B) 90,000 C) 9,000,000   D) 9,000,000,000

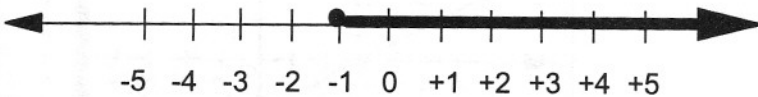| 3) 7 + (-9) =	4) -6 + (-12) =	5) 8 - (-6) =	6) -4 - (+9) =
7) (-8)(-4) =	8) 66 ÷ -22 =	9) 5 x -9 =	10) -42 ÷ -7 =

11) What inequality does this graph represent? _____

$$\longleftarrow \quad \overset{\bullet}{\rule{4cm}{1pt}}\longrightarrow$$

-5 -4 -3 -2 -1 0 +1 +2 +3 +4 +5

    A) $x > -1$ B) $x < -1$

    C) $x \geq -1$ D) $x \leq -1$
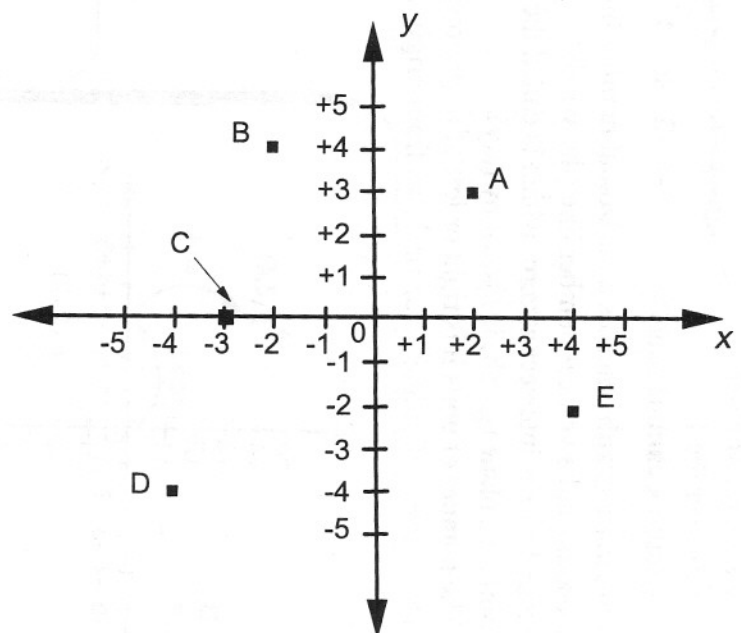
Name the coordinates of each point.
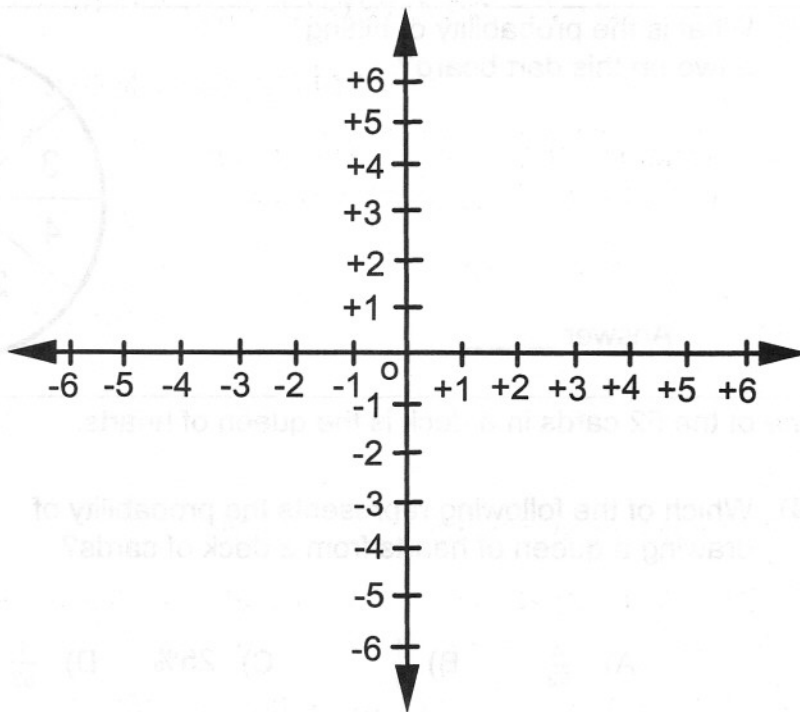
12) Point A (,   )

13) Point B (,   )
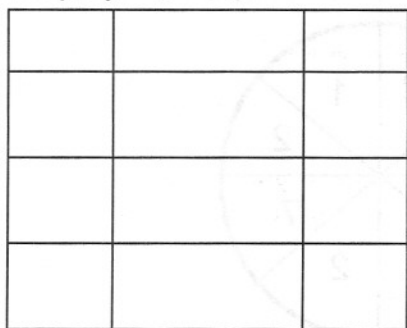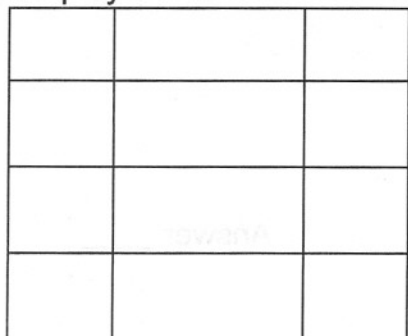
14) Point C (,   )

15) Point D (,   )

16) Point E (,   )

17) Graph y = 2 + 2x

18) Graph y = 2 - 2x

19) The slope of y = 2 + 2x is _____.

20) The slope of y = 2 - 2x is _____.

21A) How many people scored between 71 and 80 on the test data summarized by this table? _____

21B) Because this data is balanced, it is said to be _____ .

21C) When data is normal, the mean, median, and mode will be _____. (equal/not equal)

Scores	Frequency
51 - 60	1
61 - 70	2
71 - 80	3
81 - 90	2
91 - 100	1

22) Calculate the mean, median, mode, and range of the following data:
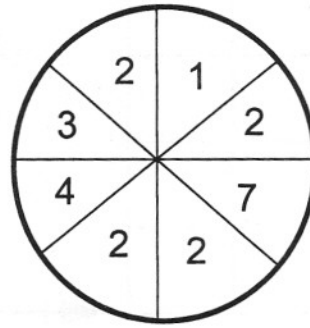
1, 2, 3, 3, 3, 4, 12

A) mean _____

B) median _____

C) mode _____

D) range _____

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23) What is the probability of hitting a two on this dart board?

Answer _____

One of the 52 cards in a deck is the queen of hearts.

24) Which of the following represents the probability of drawing a queen of hearts from a deck of cards?

A) $\frac{4}{52}$ B) $\frac{1}{4}$ C) 25%   D) $\frac{1}{52}$ Answer _____

25) If all 52 cards of a deck were put into a hat, how often would you expect the queen of hearts to be drawn?

A) often   C) usually within three tries

B) seldom   D) always within 10 tries   Answer _____

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26) A die is a cube with the numbers 1 - 6 on each side.

A) The probability of throwing a die and getting a five is _____.

B) The probability of throwing the die twice and getting successive fives is _____ .

C) The probability of throwing the die 3 times and getting 3 successive fives is _____.

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27) What is the probability of flipping a coin twice and getting a head both times?

Answer _____

28) Subtract 3 pounds 8 ounces from 5 pounds 2 ounces.	29) Subtract 4 feet 6 inches from 8 feet 3 inches.
30) Change 4.5 miles to feet.	31) Peter left his house at 10:45 a.m. and arrived at work at 1:51 p.m. What was Peter's traveling time? A. 3 hours and 66 minutes B. 3 hours and 6 minutes C. 4 hours and 6 minutes D. 4 hours and 36 minutes Answer _____

32) Change 37 grams to milligrams. _____

33) Change 1,500 millimeters to centimeters. _____

34) Change 12 kilograms to milligrams. _____