

Math 6 Unit 7 Pre-Test**True/False**

Indicate whether the statement is true or false.

1. Consider the statements shown. Select True or False for each statement.
T or F On a number line, $|5.4|$ and -5.4 are the same point.
T or F On a number line $|-5.4|$ and -5.4 are the same point
T or F The opposite of 4 and -4 are the same distance from 0 on a number line
T or F Absolute value is always positive

Multiple Choice

Identify the choice that best completes the statement or answers the question.

2. Choose the situation that is least likely represented by -13 .
a. an increase of 13 items on a shelf b. a reduction of 13 centimeters c. a period of time 13 years ago
d. a depth of 13 feet

Matching

Match each vocabulary term with its definition.

- | | |
|--------------|--------------------|
| a. integer | e. origin |
| b. x -axis | f. coordinate |
| c. y -axis | g. y -coordinate |
| d. opposites | h. x -coordinate |
3. the point where the x -axis and y -axis intersect on the coordinate plane
 4. two numbers that are equal distance from zero on a number line
 5. the second number in an ordered pair that tells the distance to move up or down from the origin
 6. the set of whole numbers and their opposites
 7. the horizontal axis on a coordinate plane
 8. one of the numbers of an ordered pair that locate a point on a coordinate graph

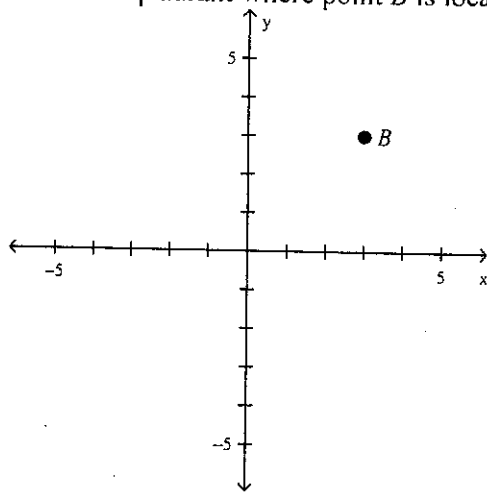
Short Answer

9. Name a positive or negative number to represent a decrease of 5 points in your math grade.
10. Name a positive or negative number to represent a rise of 29°F in the temperature.
11. Name a positive or negative number to represent earning \$13.
12. Graph the integer 4 and its opposite on a number line.

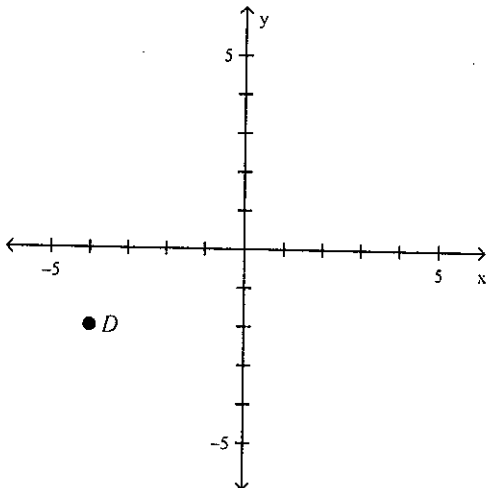
13. Consider the following integers: 7, -4 , 0, -1 , and 3.
- Order the numbers from least to greatest.
 - Graph the integers on the same number line.

Find the absolute value.

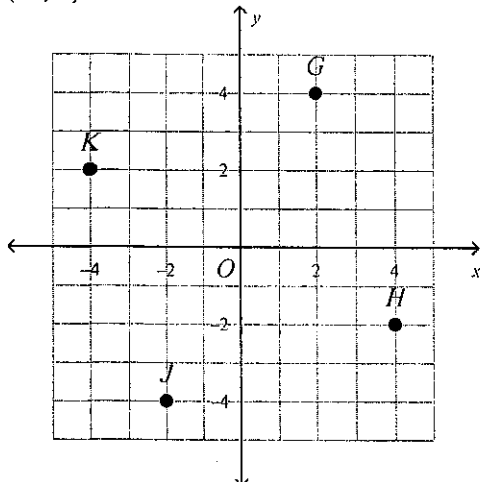
14. $|8|$
15. $|-1|$
16. Graph the points $A(-1, -1)$, $B(4, -1)$, $C(5, 3)$, and $D(0, 3)$. Connect the points. Name the type of quadrilateral the points form.
17. The coordinates of three vertices of a rectangle are $(4, -5)$, $(4, -3)$, and $(5, -3)$. What point is the fourth vertex?
18. Graph point $F(-3, -4)$ on a coordinate plane.
19. Name the quadrant where point B is located.



20. Give the coordinates of point D .



21. Name the point with the given coordinates.
 (-4, 2)



22. Use the coordinate plane in number 25 to show your work.

Holly made a map of her neighborhood. On the map, her house is located at (-3,2). Annie lives exactly 6 blocks away from Holly. Holly can walk straight in one direction (without turning) to get from her house to Annie's house. List the four ordered pair that show all the possible locations of Annie's house.

23. Select all ordered pairs that are located in the third quadrant of the coordinate grid.

(-8,-11) (-11, 13) (5,-3) (-3,-9)

24. 3 students in science class measured the heights of their plants. The results are as follows. List the measurements from least to greatest.

Kyle 3.2 cm Christy $3 \frac{1}{2}$ Maggie $3 \frac{3}{10}$

25. **Graph the rectangle to show your work.**

A rectangle has the coordinates Point A (4,6) Point B (-2,6) Point C (-2,2) Point D (4, 2) How Long is segment CD?

