Equations of Horizontal and Vertical Lines

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Write an equation for the line described. Write the equation in the form specified.

1) What is the equation of the horizontal line that passes through (5, 3)   1) _____
   A) x = 5   B) y = 5x+3   C) y = –9   D) y = 3

2) What is the equation of the vertical line that passes through (3, 4)   2) _____
   A) y = 4   B) x = 3   C) x = 4   D) y = 3x+4

3) What is the equation of the vertical line that passes through (-5, 3)   3) _____
   A) y = –2   B) x = -5   C) x = -5x+3   D) y = 3

4) What is the equation of the horizontal line that passes through (8, -7)   4) _____
   A) y = -7   B) y = 8x-7   C) x = 7   D) x = 8

5) What is the equation of the horizontal line that passes through (5, 1)   5) _____
   A) x = 5   B) y = 5x+1   C) y = –2   D) y = 1

6) What is the equation of the vertical line that passes through (5, 2)   6) _____
   A) y = –3   B) x = 2   C) y = 5x+2   D) x = 5

7) What is the equation of the vertical line that passes through (-8, -2)   7) _____
   A) x = -2   B) y = -8x - 2   C) x = -8   D) y = -2

8) What is the equation of the horizontal line that passes through (5, 4)   8) _____
   A) y = 4   B) y = 5x+4   C) x = 4   D) x = 5

9) What is the equation of the horizontal line that passes through (3, 8)   9) _____
   A) y = –8   B) y = 3x+8   C) y = 8   D) x = 3

10) What is the equation of the vertical line that passes through (4, 8)   10) _____
    A) y = 4x+8   B) x = 4   C) x = 8   D) y = 8

11) What is the equation of the vertical line that passes through (-8, 5)   11) _____
    A) x = 5   B) y = 5   C) y = -8x+5   D) x = -8

12) What is the equation of the horizontal line that passes through (4, -3)   12) _____
    A) x = 3   B) y = -3   C) x = 4   D) y = 4x - 3

13) What is the equation of the horizontal line that passes through (7, 1)   13) _____
    A) x = 1   B) x = 7   C) y = 7x+1   D) y = 1

14) What is the equation of the vertical line that passes through (-8, -4)   14) _____
    A) x = -8   B) y = -8   C) x = -4   D) y = - 8x - 4

Answer Key
Testname: EQUATIONS OF HORIZONTAL AND VERTICAL LINES

1) D
2) B
3) B
4) A
5) D
6) D
7) C
8) A
9) C
10) B
11) D
12) B
13) D
14) A