NAME_____**DATE**_____**PER.**_____

RETEST REVIEW: EQUATIONS OF LINEAR FUNCTIONS

Using the given information, write the equation of each line.

1. slope of -2 and goes through the point (6, -3)

    _____

2. slope of $\frac{1}{4}$ and an x-intercept -12

    _____

3. y-intercept of -5 and a slope of $\frac{4}{3}$

    _____

4. slope of 0 and passes through the point (-2, 7)

    _____

5. undefined slope that passes through the point (-1, -4)

    _____

6. passes through (-1, 15) and (2, 6)

_____

7. x-intercept of 4 and y-intercept of 7

_____

8. parallel to y = $\dfrac{3}{4}$x + 2 and goes through (-8, -1)

_____

9. perpendicular to y = 4x + 2 and goes through (8, -3)

_____

10. horizontal line that passes through the point (-6, 9)

_____

11. vertical line that passes through the point (-5, -3)

_____

12. Which equation describes a line parallel to y = -4x + 3?

A. y = 4x + 2   C. $y = \frac{1}{4}x + 2$

B. $y = -\frac{1}{4}x + 2$ D. y = -4x + 2

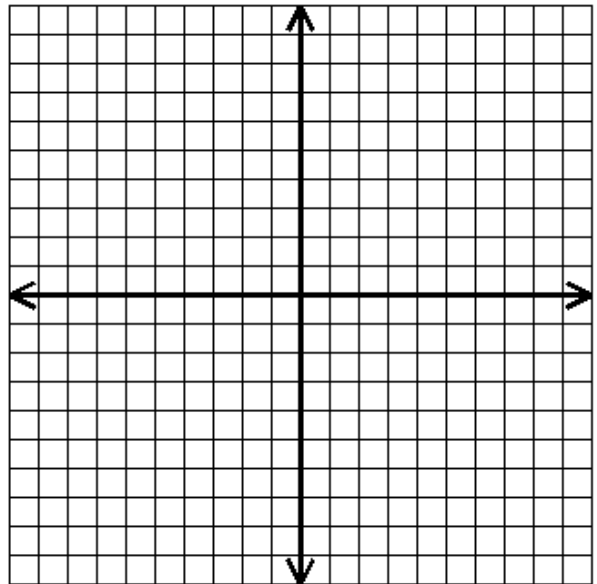13. Which equation describes a line perpendicular to y = 3x – 5?

F. $y = \frac{1}{3}x - 3$ H. $y = -\frac{1}{3}x - 3$

G. y = 3x – 3   J. y = -3x – 3

14. Graph   3x + 4y = -16

Answers in random order:

$y = \dfrac{1}{4}x + 3$

$y = 7$

$y = -\dfrac{3}{4}x - 4$

$x = -1$

$y = -2x + 9$

$y = \dfrac{4}{3}x - 5$

$y = 9$

$y = -4x + 2$

$y = -3x + 12$

$y = -\dfrac{1}{4}x - 1$

$y = \dfrac{3}{4}x + 5$

$x = -5$

$y = -\dfrac{1}{3}x - 3$

$y = -\dfrac{7}{4}x + 7$