Algebra 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.2 & 6.4

Quiz Review

IMPORTANT INFORMATION THAT I WILL NEED FOR THE QUIZ!!!!!

Slope is equal to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ over \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The Slope equation is m = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slope-Intercept form looks like: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

“m” stands for the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and “b” stands for the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

and the y-intercept is where my line crosses the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Point-Slope form looks like: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Graph a linear function.*

1. *f*(*x*) *=* 3*x -* 12. *g*(*x*) = ½*x* + 4 3. *h*(*x*) = -4*x* - 5

m = \_\_\_\_ b = \_\_\_\_ m = \_\_\_\_ b = \_\_\_\_ m = \_\_\_\_ b = \_\_\_\_

*Write the equation of the line described below in slope-intercept form.*

4. m = 6, b = -2 5. m = ½, b = 3 6. m = -5, b = 9

*Identify the slope and y-intercept of the line. Then write the equation in slope-intercept form.*

*A close up of a screen

Description automatically generatedA picture containing text, shoji

Description automatically generatedA close up of text on a white surface

Description automatically generatedA close up of a screen

Description automatically generated*

7. 8. 9. 10.

A close up of text on a white surface

Description automatically generatedm = \_\_\_\_\_\_ b = \_\_\_\_\_\_ m = \_\_\_\_\_ b = \_\_\_\_\_ m = \_\_\_\_\_ b = \_\_\_\_\_ m = \_\_\_\_\_ b = \_\_\_\_\_

equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ equation: \_\_\_\_\_\_\_\_\_\_\_\_ equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ equation: \_\_\_\_\_\_\_\_\_\_\_

11*. Give the letter of the equation that matches the graph.*

A. *y* = *x* B. *y* = 2*x* – 3 C. *y* = -*x* D. *y* = *x*+ 2

*A screen shot of a window

Description automatically generatedA close up of a screen

Description automatically generatedA picture containing shoji, window, indoor, object

Description automatically generated*

*Write the equation of the line in Point-Slope Form.*

12. (-1, 6); m = 5 13. (-4, -9); m= 2 14. (2, -3); m = 7 15. (-8, 1); m = 

*Write in point-slope form the equation of the line that passes through the given point and has the given slope. Then rewrite the equation in slope-intercept form.*

16. (10, 3); m = -2 17. (8, 6); m = ½

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

point-slope form point-slope form

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slope-intercept form Slope-intercept form

18. (-9, 6); m =  19. (3, 4); m = 0

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

point-slope form point-slope form

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slope-intercept form Slope-intercept form