**Math 10-C QUIZ Linear Equations & Graphs / 15 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

C3-C4 Determine Equations & Parallel/Perpendicular Lines **Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. The equation of the graph below in slope-intercept form is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



1. The equation of a line, with a slope of -7 and a y-intercept of 5, in slope-intercept form is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. A line has a slope of -3 and passes through the point (5,-6). Write the equation of the line in slope-intercept form. [1 mark]
3. A line passes through the points (-4,0) and (4,4). Write the equation of the line in slope-intercept form. [2 marks]
4. Write each of the following linear equations in general form (Ax + By + C = 0).

a)  b)  c) 

1. The slope of a line is . The slope of a line that is parallel is \_\_\_\_\_\_\_\_.
2. The slope of a line is . The slope of a line that is perpendicular is \_\_\_\_\_\_\_.
3. Write the slope-intercept form and general form for the equation of a line that is parallel to and passes through the point (3,-4). [3 marks]
4. Write the general form for the equation of a line that is perpendicular to the given line and passes through the given point. [2 marks]

