

Quiz 8

This quiz is graded out of 14 marks. No books, watches, notes or cell phones are allowed. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work. If you need more space for your answer use the back of the page.

Question 1. (3 marks) Use the intercept(s) to graph $f(x) = 3x - 1$.

Question 2. For a linear function, if $f(0) = -1$ and $f(1) = 1$, then find:

a. (2 marks) $f(x) = ax + b$

b. (1 mark) $f(5)$

c. (1 mark) the value of x when $f(x) = 15$

Question 3. (2 marks) Find the slope of the line perpendicular to the line $4x - 5y = 3$.

Question 4. (5 marks) Find the slope intercept equation and the point slope equation of the line through the point $(3, -1)$ and parallel to the line $2x + 3y = 3$.