

Answer all questions directly on the page. Show **ALL** work for full marks.

1. Find the slope of the line passing through each pair of points, be sure to express your answer in lowest terms: (K – 3 marks)

(a) (3,4) and (7,10)

(b) (4,3) and (4,8)

(c) (5,8) and (-3,8)

2. State the slope **and** y-intercept of each of the following: (K – 11 marks)

(a)  $y = -5x + 3$

(b)  $4x - 6y - 18 = 0$

(c)  $5y - 9x = 15$

(d)  $-7x - 8y + 32 = 0$

3. Graph the following (use a table of values, or rearrange into  $y=mx+b$  form).(K – 4 marks)

(a)  $3y = -6x + 12$

(b)  $4x - 2y - 10 = 0$

