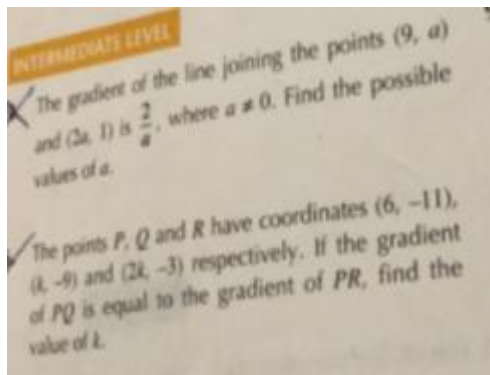
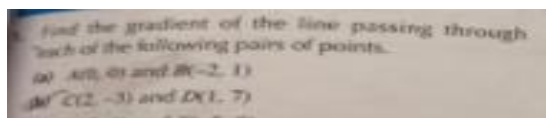


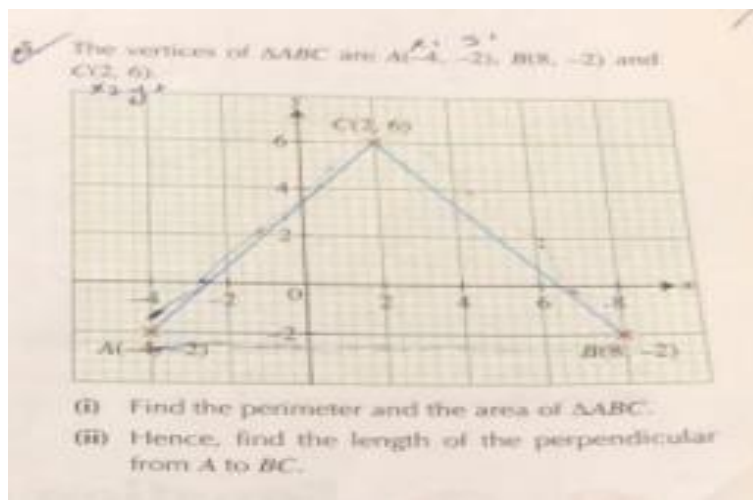
Q1: both Questions



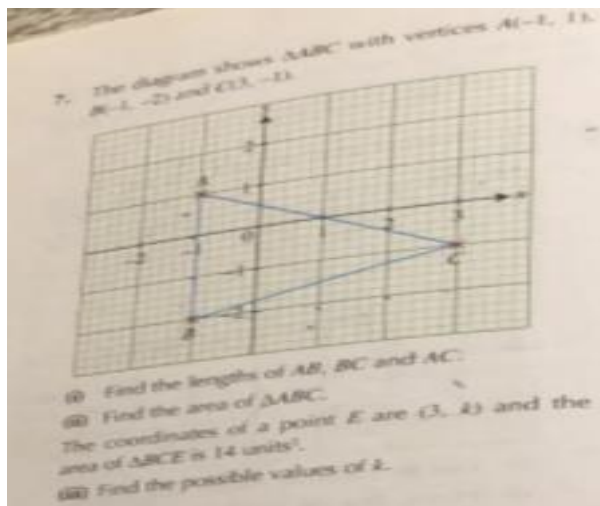
Q2:



Q3:



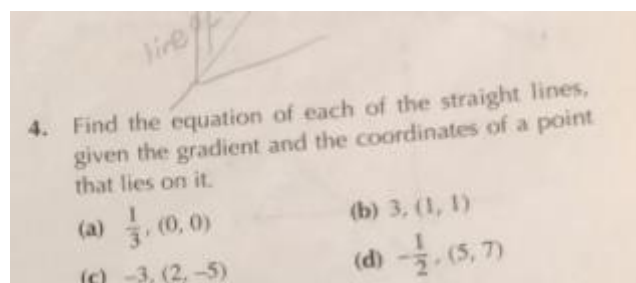
Q4:



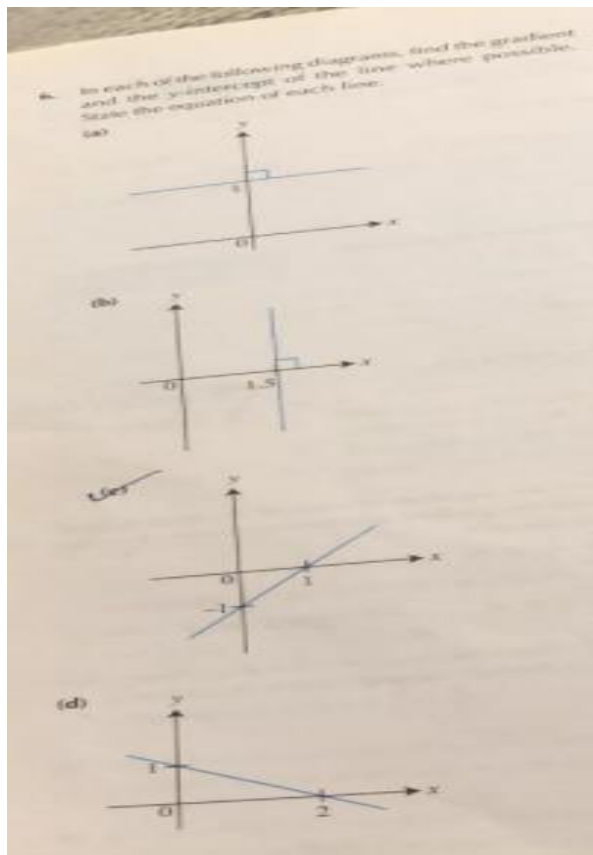
Q5:

a) The point $(-3, 3)$ lies on the line $y = 4x + k$, find the value of k

b)



Q6:



Q7:

8. The lines $2x - 5 = ky$ and $(k + 1)x = 6y - 3$ have the same gradient. Find the possible values of k .

Q8:

INTERMEDIATE LEVEL

5. Find the equation of the line passing through the point

(a) $(-2, 5)$ and parallel to the line $3y + 7x = 29$,

(b) $(-1, -6)$ and perpendicular to the line $42x - 7y = 5$,

(c) $(4, 8)$ and parallel to the line $3x + y = 17$,

(d) $(2, -3)$ and perpendicular to the line $y + 2x = 13$.

Q9:

10. The coordinates of 3 points are $A(-1, -6)$, $B(3, -12)$ and $C(k, 6)$. Find the value of k if
(a) A , B and C are collinear,
(b) AB is perpendicular to AC .