The equation of a given line is given by $2x + 3y = 12$

1. The gradient of the line is $= \frac{-2}{3}$

2. The intercept on the x-axis is $= \frac{12}{2} = 6$

3. The intercept on the y-axis is $= \frac{12}{3} = 4$

4. Find the area of the triangle $OAB$, where $O$ is the origin and $A$ and $B$ are the points where the line cuts the x-axis and the y-axis respectively.

Given that the equations of two lines $L_1$ and $L_2$ are:

$L_1 : 2x + y = 8$ and 
$L_2 : 6y - mx = 3$

5. State the gradient of the line

6. If $L_1 \parallel L_2$ find $m$

7. If $L_1 \perp L_2$ find $m$
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Given that the equations of two lines $L_1$ and $L_2$ are:
$L_1 : 2x + y = 8$ and $L_2 : 6y - mx = 3$

5. State the gradient of the line $-2$

6. If $L_1 \parallel L_2$ find $m$
   $-12$

7. If $L_1 \perp L_2$ find $m$
   $3$