The equation of a given line is given by \( 2x + 3y = 12 \)

1. The gradient of the line is = 

2. The intercept on the x-axis is = 

3. The intercept on the y-axis is = 

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

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

2. The intercept on the x-axis is $6$

3. The intercept on the y-axis is $4$

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. $12$ sq. Units

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 $m$
$3$