Intersection of Lines:

Example

The diagram shows two lines with equations $y=3x$ and $x+2y=4$, which intersect at the point $P$.

a. Determine the coordinates of $P$.

b. The line $x+2y=4$ intersects the $x$-axis at the point $Q$. Determine the coordinate of $Q$.

$$x$$

$$y$$

$$x+2y=4$$

$$y=3x$$

$$P$$

$$Q$$

$$O$$

Test Your Understanding



Exercise 5D Page 95