COSMOS COACHING CENTRE

1 State the gradient and y-intercept for each of the following equations.

   a $y = 4x + 2$

   b $y = 3x - 7$

   c $y = 5x + 0.4$

   d $y = 1.5x - 2$

   e $y = \frac{1}{2}x + 3$

   f $y = 5 - 3x$

   g $y = x$

   h $y = 2 + 5x$

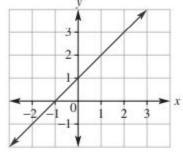2 Write the equation of a line that has the following gradient and y-intercept.

   a Gradient = 3 and y-intercept = 2
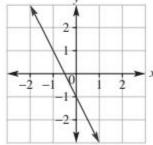
   b Gradient = −2 and y-intercept = 10

   c Gradient = −4 and y-intercept = −1

   d Gradient = 0.5 and y-intercept = 1
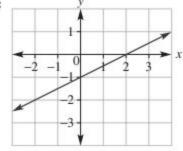
3 Find the equation of the following line graphs.

   a

   b

   c

   d