

**3** A curve with equation  $y = f(x)$  passes through the point  $(3, 7)$

Given that  $f'(3) = 0$  find the equation of the normal to the curve at  $(3, 7)$

Circle your answer.

**[1 mark]**

$$y = \frac{7}{3}x$$

$$y = 0$$

$$x = 3$$

$$x = 7$$