

**1**

$$y = \frac{1}{x^2}$$

Find an expression for  $\frac{dy}{dx}$

Circle your answer.

**[1 mark]**

$$\frac{dy}{dx} = \frac{0}{2x}$$

$$\frac{dy}{dx} = x^{-2}$$

$$\frac{dy}{dx} = -\frac{2}{x}$$

$$\frac{dy}{dx} = -\frac{2}{x^3}$$