9 The curve $y = f(x)$ has a stationary point at $(2, 10)$ and it is given that $f''(x) = \dfrac{12}{x^3}$.

  (i) Find $f(x)$. [6]

  (ii) Find the coordinates of the other stationary point. [2]

  (iii) Find the nature of each of the stationary points. [2]