

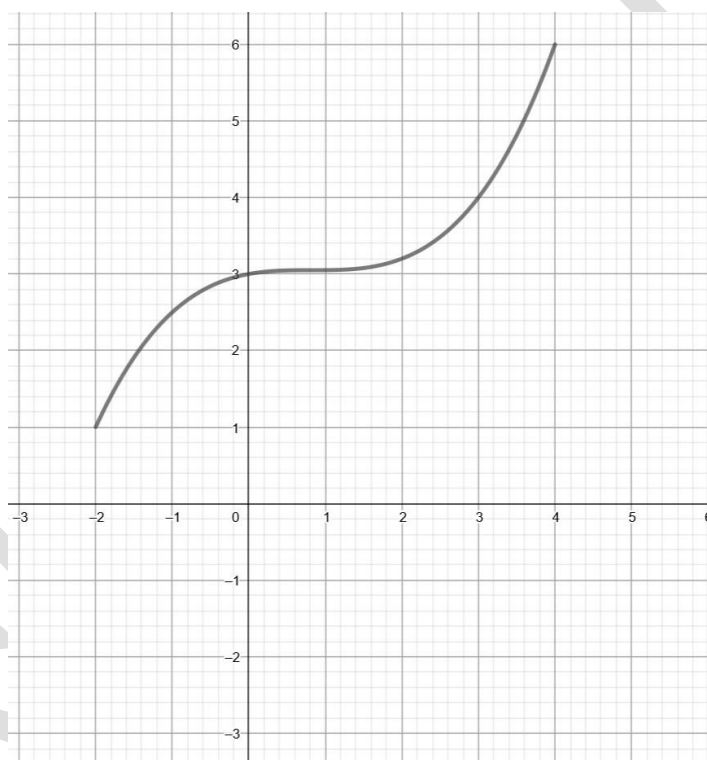


## AI SL QUIZ 2

[ Maximum mark : 4]

[Total time : 7 minutes]

Consider a function  $f(x)$ , for  $-2 \leq x \leq 4$ . The following diagram shows the graph of  $f$ .



- a) Write down the domain and range of the function  $f$ . [1]
- b) On the grid above, sketch the graph of  $f^{-1}$ . Which is the range of  $f^{-1}$ ? What do you observe? [1]
- c) For this curve write down the value of  $y$  – intercept. [1]
- d) Find the value of the expression  $\frac{f^{-1}(4) \times f^{-1}(6)}{f^{-1}(1)}$ . [1]

[click here to watch the solution](#)