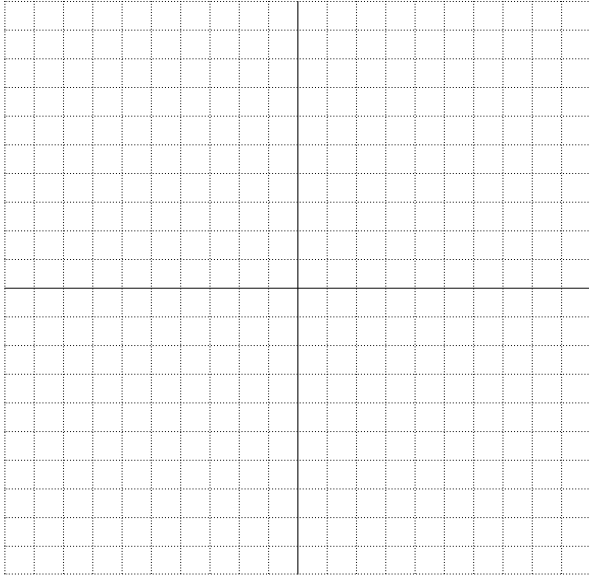
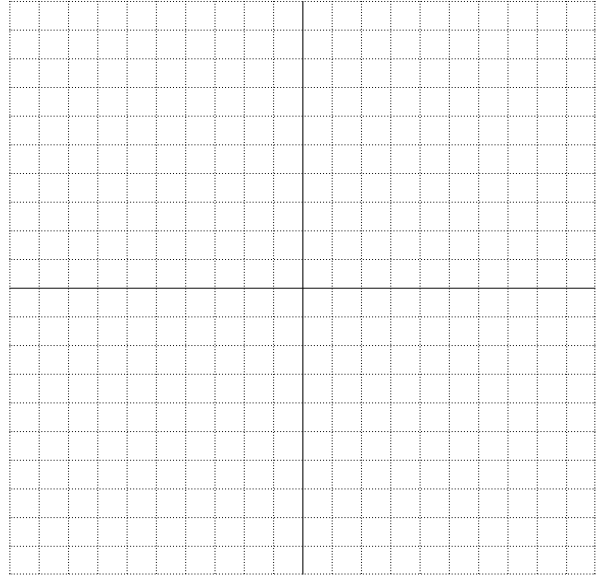


**Sketch the graph of each function listed without a calculator**

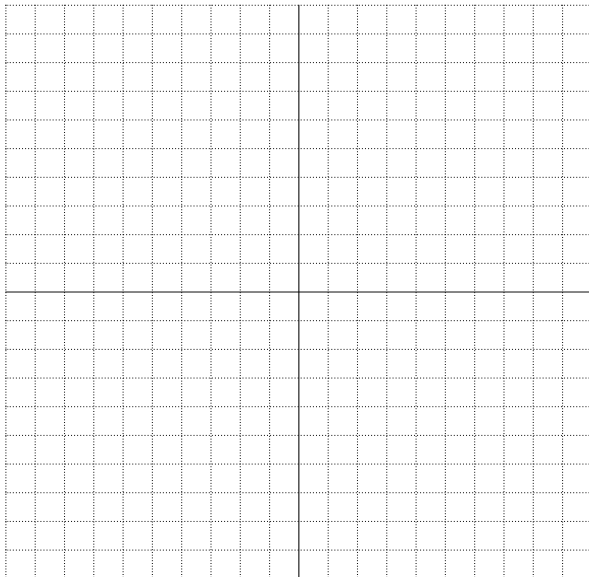
**A)**  $y = 2(x - 3)^2 - 4$



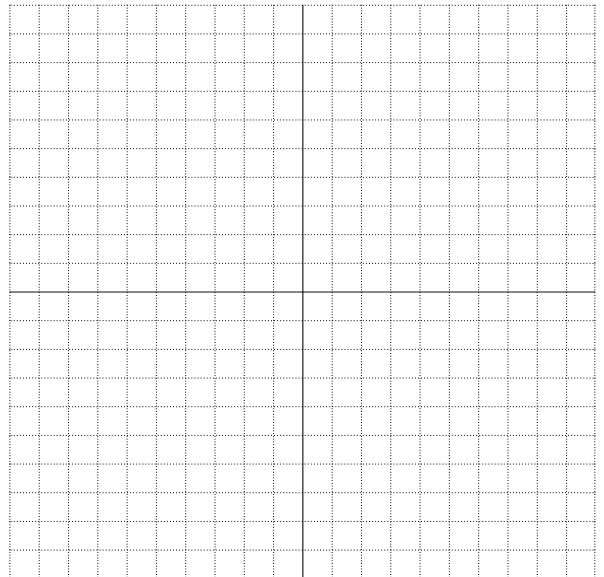
**B)**  $y + 2 = -\frac{1}{3}|x + 1|$



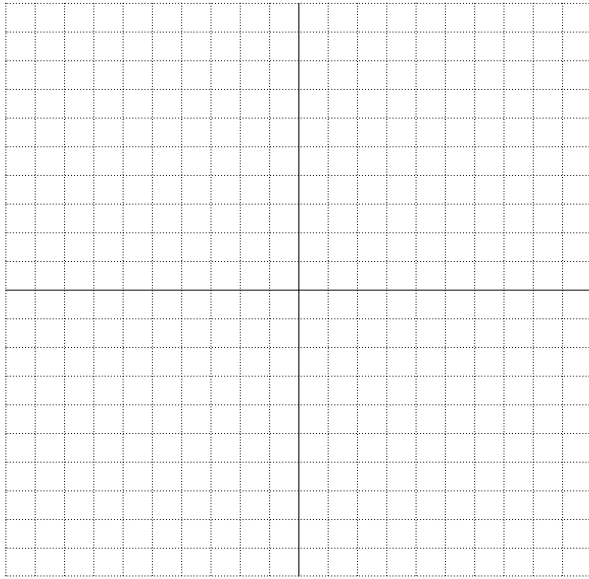
**C)**  $f(x) = 3\sqrt{x + 5} - 4$



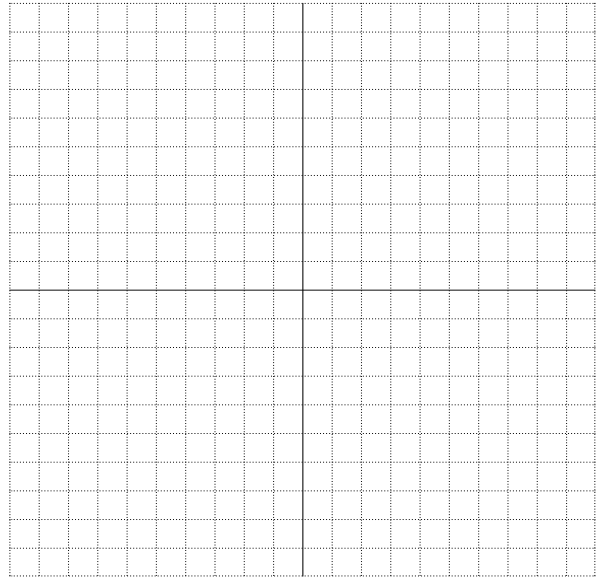
**D)**  $y = -(x - 1)^{2/3} + 2$



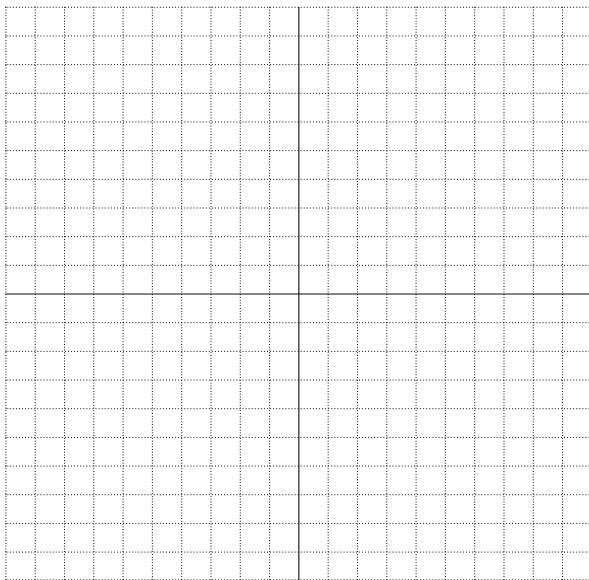
**E)**  $y = \sqrt{9 - x^2}$



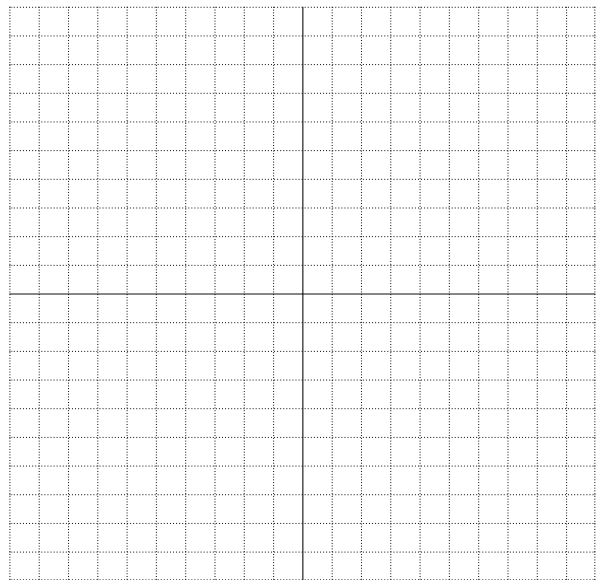
**F)**  $f(x) = 3(x + 2)^{1/3}$



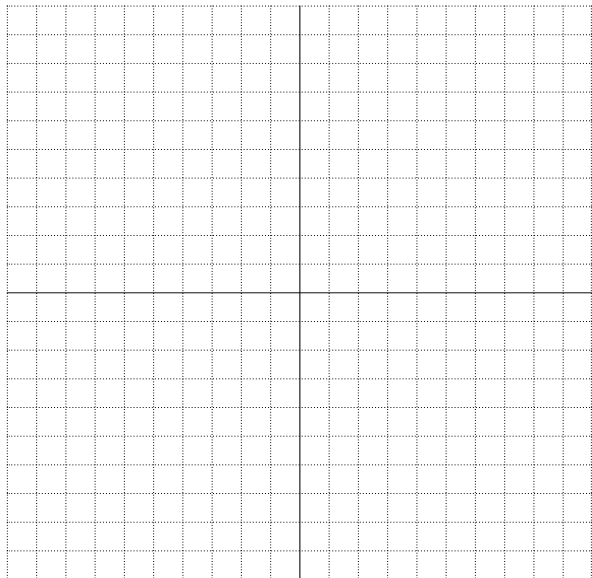
**G)**  $y = \frac{1}{2}(x + 5)^3 - 1$



**H)**  $f(x) = \frac{2}{x - 3} + 1$



$$\mathbf{I.} \quad f(x) = \begin{cases} -2|x|, & x > -2 \\ -x+1, & x < -2 \end{cases}$$



$$\mathbf{J.} \quad f(x) = \begin{cases} \sqrt{x-1}+2, & x \geq 1 \\ x^{1/3}-1, & x < 1 \end{cases}$$

