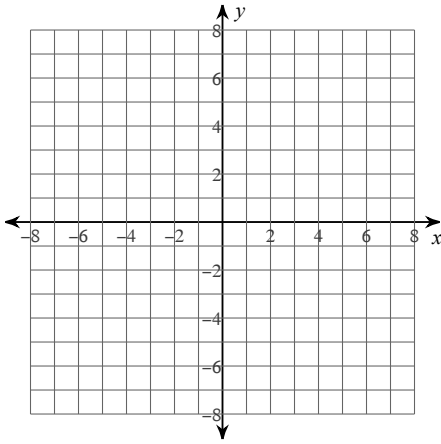


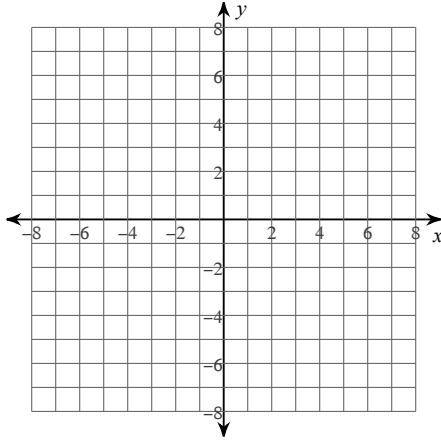
# Graphing Cube Roots and Cubic Functions

Sketch the graph of each function by using three key points.

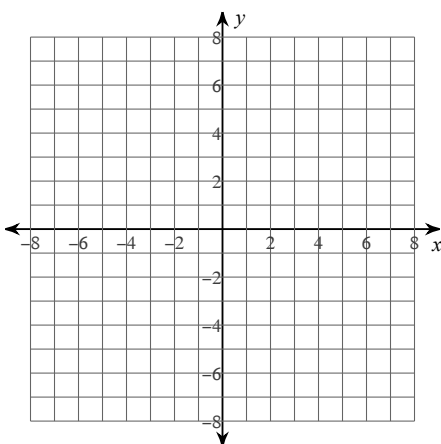
1)  $y = \sqrt[3]{\frac{8x}{27}}$



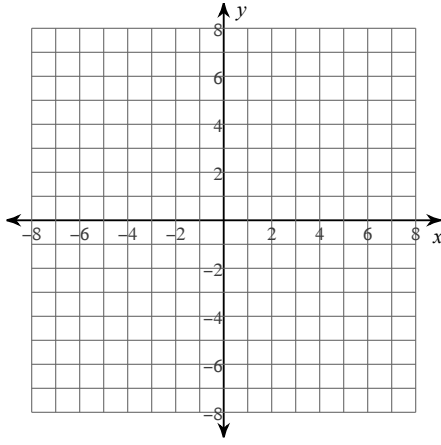
2)  $y = -4 + \sqrt[3]{x + 6}$



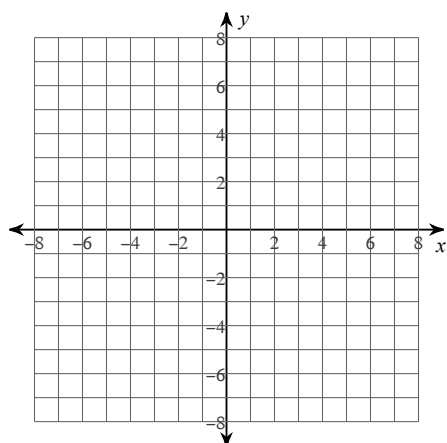
3)  $y = \frac{4}{5} \sqrt[3]{x + 2}$



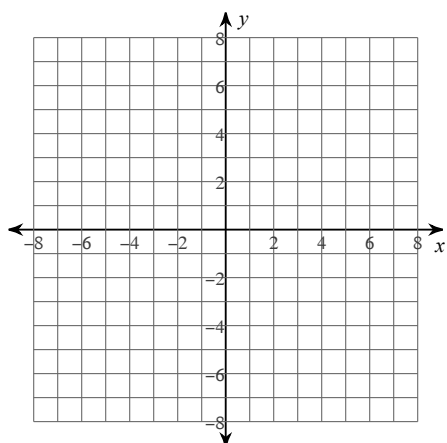
4)  $y = \sqrt[3]{x + 3} + 1$



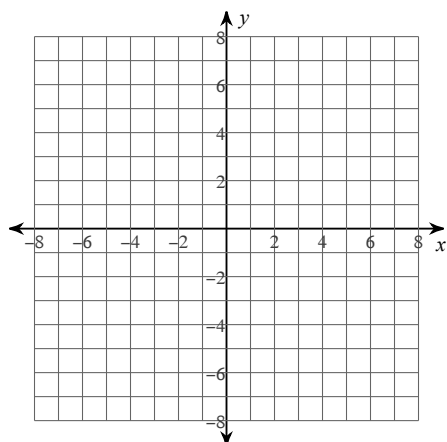
$$5) y = \sqrt[3]{x-4} + 5$$



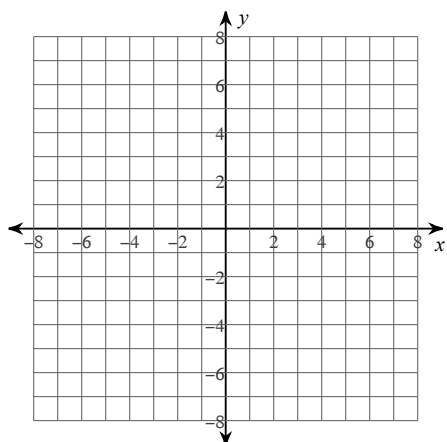
$$6) y = 2\sqrt[3]{x}$$



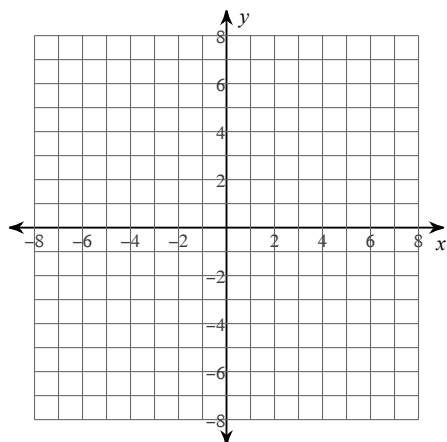
$$7) y = -2 + \sqrt[3]{x}$$



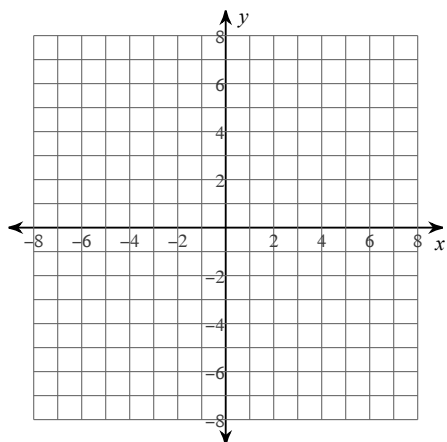
$$8) y = \sqrt[3]{-27x - 81}$$



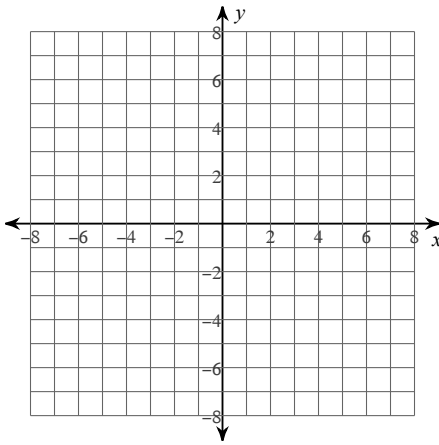
$$9) y = \sqrt[3]{27x}$$



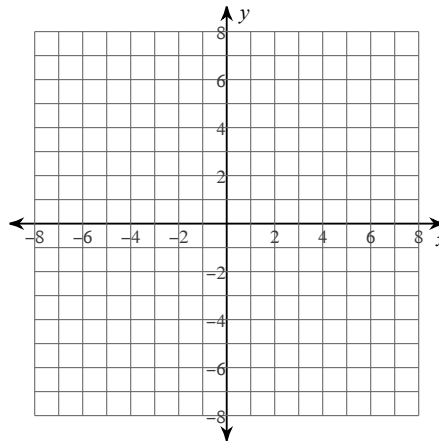
$$10) y = -3 + \sqrt[3]{8x + 16}$$



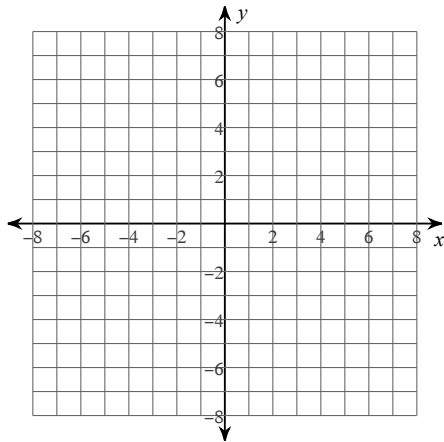
$$11) y = 2\sqrt[3]{x+1}$$



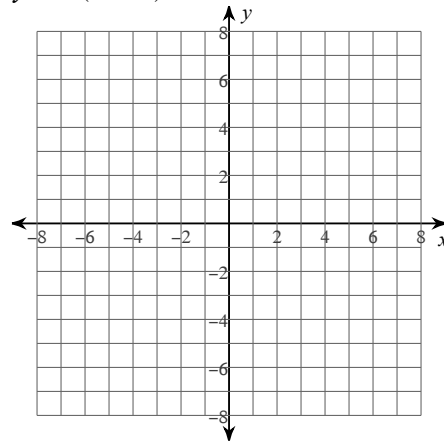
$$12) y = \sqrt[3]{x} + 5$$



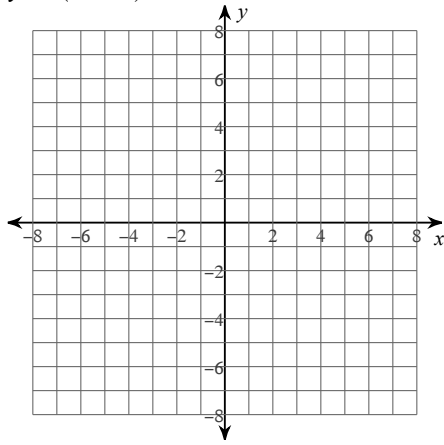
$$13) y = -\frac{1}{2}(x-1)^3$$



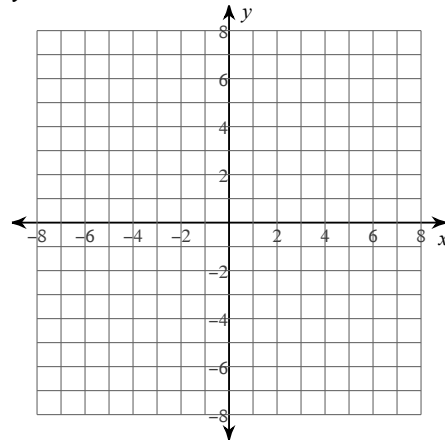
$$14) y = 3(x+2)^3$$



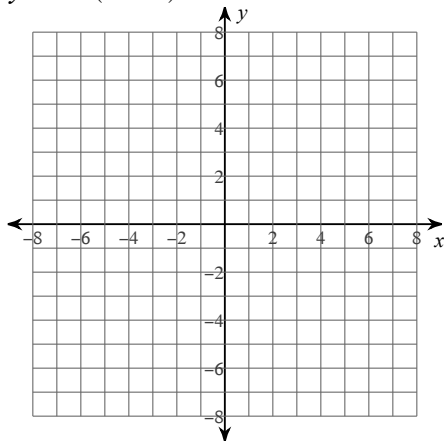
15)  $y = (x + 1)^3 - 2$



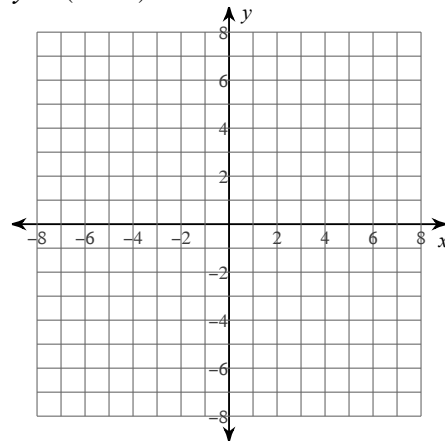
16)  $y = 4x^3 + 1$



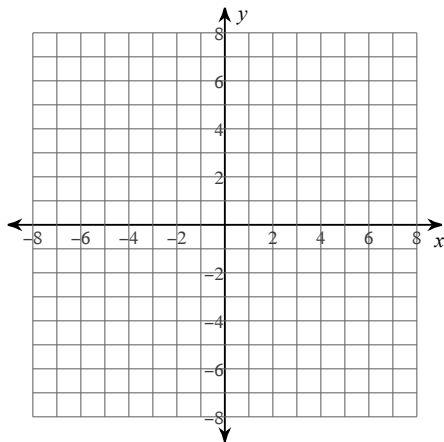
17)  $y = -2(x - 2)^3$



18)  $y = (x + 2)^3 - 4$



19)  $y = \frac{3}{4}(x - 4)^3 + 5$



20)  $y = (x - 4)^3$

