

Math 3 Advanced  
10.3 Graphing Cube Roots

Determine the point of symmetry for the following cube root functions.

1.  $f(x) = 5\sqrt[3]{x} + 11$

2.  $f(x) = 5 + 4\sqrt[3]{x}$

3.  $f(x) = 11 - \sqrt[3]{5x}$

4.  $f(x) = \sqrt[3]{x - 4}$

5.  $f(x) = \sqrt[3]{3x + 11} + 5$

6.  $f(x) = 7\sqrt[3]{x} + 4$

7.  $f(x) = 6 + 2\sqrt[3]{x}$

8.  $f(x) = 3 + \sqrt[3]{5x}$

9.  $f(x) = \sqrt[3]{5 + x}$

10.  $f(x) = \sqrt[3]{6x - 7} + 21$