

Pre-Calculus

KEY

Use synthetic division to help find the roots of a given polynomial function.

1.  $x = 1, 3, 5$

2.  $x = 2, 3, 5$

3.  $x = 2, 3, 6$

4.  $x = 1, 5, 7$

5.  $x = -4, -2, -1$

6.  $x = -5, -3, -2$

7.  $x = -5, -2, -2$

8.  $x = -5, -3, -3$

9.  $x = 4, \pm\sqrt{5}$

10.  $x = -6, \pm\sqrt{3}$

11.  $x = 7, \pm\sqrt{11}$

12.  $x = -5, \pm\sqrt{2}$

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