

Honors Math 3 - Using Roots to Find Polynomial Functions

① $x^3 - 4x^2 + x - 4 = y$

③ $x^3 - 5x^2 + 9x - 45 = y$

⑤ $x^4 + 6x^3 + 13x^2 + 24x + 36 = y$

⑦ $-3i, -1$

⑨ $6, i$

⑪ $1-i, -2$

⑬ $1+2i, -3$

⑮ $3-i, \pm 2i$

⑰ $x^3 - 10x^2 + 13x + 74 = y$

⑲ $x^4 + 11x^2 + 18 = y$