

4.4 Finding Polynomials from their Solutions

Period _____

Write a polynomial function of least degree with integral coefficients that has the given zeros.

1) 2, -5, 0

2) 3, -3, -2

3) 4, -5, -4

4) -5, 2, -4

5) -5, 5, 1

6) 4, -3, -2

$$7) 3, -2, 4$$

$$8) 3, -5, 5, 2$$

$$9) -\frac{1}{5}, \frac{3}{4}, \frac{5}{4}$$

$$10) -\frac{3}{4}, -\frac{5}{2}, \frac{5}{2}$$

$$11) \frac{3}{4}, -\frac{4}{5}, \frac{1}{4}$$

$$12) -\frac{5}{3}, \frac{3}{4}, \frac{2}{5}$$