

Solve by factoring:

1. $2x^2 - 7x - 15 = 0$

Given the zero(es), write the equation of least degree (assume $a = 1$).

2. $x = 1 + 7i, x = -2$

Given the zero(es) and an ordered pair, write a polynomial equation of least degree.

3. $x = -3, x = 3, x = 1$ thru $(4, -63)$

4. $x = 6 - 3i$ with a y – intercept of 90

5. $x = 2, x = 4i$ thru $(3, -5)$