

Learning Goal(s):

3.5.1 Solving Polynomial Equations

Date: _____

Ex. Solve.

1. $x^3 - 3x^2 = 16x - 48$

2. $2x^3 - 18x = 0$

3. $x^6 - 25x^4 = 0$

4. $x^3 = -2x^2 - 4x - 8$

5. $x^3 - 18 = -2x^2 + 9x$

6. $7x^4 - 4x^3 = 0$

7. $-4x^2 + 36 = -x^3 + 9x$

8. $x^3 + 2x^2 = 2(x^2 + 32)$

9. $x(x^2 - x - 2) = 17 - x(x + 2)$