

## 1.4 Polynomial Equations WS

Solve.

1.  $x^3 + x^2 + x + 1 = 0$

2.  $10x^3 + 20x^2 + x = -2$

3.  $x^4 - 9 = 0$

4.  $2x^3 - 5x^2 + 18x - 45 = 0$

5.  $x^3 - 8 = 0$

6.  $x^3 + 3x^2 + 10x = -30$

$$7. x^3 - 2x^2 + 4x - 8 = 0$$

$$8. 125x^3 - 8 = 0$$

$$9. 3x^3 - 2x^2 - 9x + 6 = 0$$

$$10. x^4 - 64 = 0$$

$$11. 3x^4 + 3x^3 = 6x^2 + 6x$$

$$12. 8x^3 + 27 = 0$$