

1.4 Polynomial Equations WS 2

Solve.

1. $x^3 - x^2 - 12x = 0$

2. $x^3 - 2x^2 - 16x = -32$

3. $2x^4 - 6x^3 = 12x^2 - 36x$

4. $5x^3 = 50x$

5. $64x^3 + 27 = 0$

6. $x^3 - 5x^2 - 4x = -20$

$$7. 3x^3 + 2x^2 - 36x - 24 = 0$$

$$8. 2x^4 - 128 = 0$$

$$9. x^6 - 2x^4 = x^2 - 2$$

$$10. 9x^5 = 27x^3$$

$$11. 8x^3 + 8 = 0$$

$$12. -4x^4 + 8x^3 + 60x^2 = 0$$