UNIT 4 WORKSHEET 7

SOLVING POLYNOMIAL EQUATIONS 4

Find all zeros.

1. $x^5 + x^4 - 7x^3 - 7x^2 + 12x + 12 = 0$

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

3. $x^4 + 2x^3 - 7x^2 - 8x + 12 = 0$

4. $x^4 - 7x^3 - 3x^2 + 63x - 54 = 0$

5. $6x^3 + 13x^2 - 41x + 12 = 0$

6. $x^6 - 7x^4 + 14x^2 - 8 = 0$

7. $x^5 - 13x^3 + 36x = 0$

THE VERY SPECIAL PROBLEM!

8. $4x^6 - 33x^5 + 4x^4 + 465x^3 - 1124x^2 + 828x - 144 = 0$