

3rd and 4th Degree Equations

Name _____

Class _____

Date _____

A N S W E R S

1a

1b

2a

2b

3a

3b

4a

4b

5a

5b

Solve the given equations.

1. a. $x^3 - 10x^2 + 9x = 0$

b. $3x^3 - 7x^2 + 2x = 0$

2. a. $3x^4 + 9 = 28x^2$

b. $2x^4 + 9 = 19x^2$

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

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

4. a. $7x^5 - 112x^3 = 0$

b. $11x^5 - 275x^3 = 0$

5. a. $2x^3 - 2x^2 - 9(x-1)^2 = 0$

b. $(2x+5)(x^2+x) = (2x+2+3x^2)(x+x^2)$

A