

You will need the quadratic formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Name _____

Date _____

Advanced Algebra

Unit 5 Polynomial Functions Assignment #17

Learning Target: I can solve complex equations. You should be using your work from Assignment #16.

Directions: Solve the following equations for x.

1) $\frac{x+2}{x+4} + \frac{1}{x} = \frac{2x+1}{x+4}$

2) $\frac{x+3}{x+5} + \frac{1}{x} = \frac{2x+3}{x+5}$

3) $\frac{x+6}{x+7} + \frac{1}{x} = \frac{3x+1}{x+7}$

4) $\frac{x+5}{x+2} + \frac{1}{x} = \frac{2x+1}{x+2}$

$$5) \frac{3x+1}{x+2} + \frac{2}{x} = \frac{6x-2}{x+2}$$

$$6) \frac{4x+1}{x+3} + \frac{8}{x} = \frac{8x-3}{x+3}$$

