

Name \_\_\_\_\_

Date \_\_\_\_\_

Advanced Algebra

Unit 5 Polynomial Functions Assignment #16

**Learning Target: I can add complex fractions.**

**You will be able to use these answers ( problems 1-6) on your next homework!**

Directions: Add the following fractions. You must get common denominators

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

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

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

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

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

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

$$7) \frac{1}{6k^2} + \frac{1}{3k}$$

$$8) \frac{1}{(n-8)} + \frac{1}{(n+8)}$$

$$9) \frac{2}{(a-4)} + \frac{4}{(3a+1)}$$

$$10) \frac{5}{(m+3)} + \frac{-5}{(m-1)}$$

$$11) \frac{3}{(a-2)} + \frac{-5}{(a-10)}$$