

10-1 Rational Functions – Adding/Subtracting

Name: _____

Time> Start: _____ Finish: _____

Total Time = _____

Put your simplified answer in the blank.

_____ 1. $\frac{3}{7x} + \frac{5}{14}$

_____ 2. $\frac{-3}{5x^2} - \frac{2}{x}$

_____ 3. $\frac{3}{2x^2y^3} + \frac{5}{x^3y}$

_____ 4. $\frac{4a}{2x^4y} - \frac{6a}{5xy^3}$

_____ 5. $\frac{6}{5xy} + \frac{2}{3x^3y^2z}$

_____ 6. $\frac{3}{x+3} + \frac{7}{x+2}$

_____ 7. $\frac{4}{(x+3)(x-1)} + \frac{8}{(x-2)}$

_____ 8. $\frac{3}{x+2} + \frac{7}{x^2-4}$

_____ 9. $\frac{3x}{x^2-6x+8} - \frac{1}{x-2}$

_____ 10. $\frac{x-3}{x^2+8x+12} + \frac{x+1}{x^2+7x+10}$

_____ 11. $\frac{x+1}{x^2+9x+20} - \frac{x-4}{x^2-25}$

_____ 12. $\frac{x-7}{x^2-4x-12} + \frac{x+7}{x^2-x-6}$