

9-1 Excluded Values

Name: _____

Time Start: _____ Finish: _____

Total Time = _____

State all the excluded values in each problem.

_____ 1. $\frac{6x-4}{2x+10}$

_____ 2. $\frac{-100x}{100x}$

_____ 3. $\frac{x}{x+1} \cdot \frac{3-x}{x-8}$

_____ 4. $\frac{x-1}{x} \cdot \frac{3+2x}{3x-6}$

_____ 5. $\frac{x}{x+4} \cdot \frac{x-9}{8}$

_____ 6. $\frac{7}{4x} \cdot \frac{3}{2x+10}$

_____ 7. $\frac{x-7}{20x+10}$

_____ 8. $\frac{6x-4}{x^2+8x+12}$

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

_____ 10. $\frac{3x^2+x+1}{x^2+11x-10}$

_____ 11. $\frac{2x^2+9x+15}{2x^2+11x+12}$

_____ 12. $\frac{3x^2+x+1}{6x^2+17x+5}$

_____ 13. $\frac{x}{x+9} \div \frac{3-x}{x-7}$

_____ 14. $\frac{5x}{x+2} \div \frac{2x-6}{x-1}$

_____ 15. $\frac{x-2}{5x} \div \frac{1-2x}{7}$

_____ 16. $\frac{x-3}{4x} \div \frac{6x-6}{x-9}$

_____ 17. $\frac{x^2+4x+11}{x^2+6x+5} \cdot \frac{3x+6}{x^2+22x+40}$

_____ 18. $\frac{x^2}{x^2-4} \cdot \frac{9x+9}{x^2-9} \cdot \frac{7x}{x^2-25} \cdot \frac{9x-4}{x}$

_____ 19. $\frac{x^2+12x+11}{x^2+5x+6} \div \frac{x+14}{x^2+11x+30}$

_____ 20. $\frac{x^2+4x+11}{x^2+8x+12} \div \frac{x^2+9x+20}{x^2+13x+12}$