The quotient rule

Name _____ Date _____

1. $f(x) = \frac{-5x - 8}{x - 8}$ $f'(x) =$ _____

2. $f(x) = \frac{-2x}{x + 5}$ $f'(x) =$ _____

3. $f(x) = \frac{-x + 5}{x + 8}$ $f'(x) =$ _____

4. $f(x) = \frac{-x + 9}{x - 5}$ $f'(x) =$ _____

5. $f(x) = \frac{x - 2}{x + 9}$ $f'(x) =$ _____

6. $f(x) = \frac{-x}{x - 7}$ $f'(x) =$ _____

7. $f(x) = \frac{5x + 1}{x + 4}$ $f'(x) =$ _____

8. $f(x) = \frac{x - 2}{x - 9}$ $f'(x) =$ _____

9. $f(x) = \frac{-4x - 9}{x + 3}$ $f'(x) =$ _____

10. $f(x) = \frac{5x}{x - 5}$ $f'(x) =$ _____

11. $f(x) = \frac{5x - 7}{x + 9}$ $f'(x) =$ _____

12. $f(x) = \frac{5x}{x - 3}$ $f'(x) =$ _____

13. $f(x) = \frac{-3x + 8}{x - 8}$ $f'(x) =$ _____

14. $f(x) = \frac{-x - 6}{x - 9}$ $f'(x) =$ _____

The quotient rule

15. $f(x) = \frac{3x - 6}{x + 6}$ $f'(x) =$ _____

16. $f(x) = \frac{-5x + 7}{x - 3}$ $f'(x) =$ _____

17. $f(x) = \frac{-2x}{x - 1}$ $f'(x) =$ _____

18. $f(x) = \frac{-4x + 8}{x - 8}$ $f'(x) =$ _____

19. $f(x) = \frac{-3x - 8}{x - 1}$ $f'(x) =$ _____

20. $f(x) = \frac{-x - 6}{x + 1}$ $f'(x) =$ _____

21. $f(x) = \frac{-5x}{x + 8}$ $f'(x) =$ _____

22. $f(x) = \frac{3x - 8}{x - 5}$ $f'(x) =$ _____

23. $f(x) = \frac{4x - 2}{x - 3}$ $f'(x) =$ _____

24. $f(x) = \frac{4x + 7}{x - 3}$ $f'(x) =$ _____

25. $f(x) = \frac{2x - 6}{x + 2}$ $f'(x) =$ _____

26. $f(x) = \frac{-2x - 3}{x + 9}$ $f'(x) =$ _____

27. $f(x) = \frac{-5x - 4}{x + 8}$ $f'(x) =$ _____

28. $f(x) = \frac{-x + 4}{x - 6}$ $f'(x) =$ _____

29. $f(x) = \frac{5x - 4}{x - 5}$ $f'(x) =$ _____