

Unit 9.1 Homework Answers

1. $\frac{x}{5x-3}$

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

3. $\frac{x-3}{x+5}$

4. $\frac{y^2}{3x}$

5. $x^2 - 9$

6. $\frac{2(x+1)}{x}$

7. $\frac{y^2}{6x^6}$

8. $\frac{4x^4y}{5z}$

9. $\frac{x-2}{x+1}$

10. $\frac{2(x-1)}{x-7}$

11. $\frac{x-6}{x+6}$

12. already simplified.

13. $\frac{3(x+6)}{2(x+5)}$

14. $\frac{x+4}{2(x-5)}$

15. $\frac{2x(x+4)}{(x+2)(x-3)}$

16. $\frac{x(x+3)}{2(x-5)(x+1)}$

17. $\frac{x-5}{(x+5)^2}$

18. $\frac{3x+1}{4(x-2)}$

19. $\frac{1}{x^2 + 4x + 16}$

20. already simplified.

21. $\frac{x^2-3}{x-3}$

22. $(x+2)(x+7)$

23. $\frac{(x+9)(x-4)^2}{x+7}$

24. $\frac{4(x+5)(x+4)}{x}$

25. $\frac{5(x+1)}{x-1}$

26. $\frac{x-3}{x(x+4)^2}$