

5. $\frac{3x}{5} + \frac{x+2}{7} = 4$
7. $\frac{4x}{5} - \frac{4+5x}{3} = 3$
9. $\frac{x}{5} + \frac{1-x}{3} = \frac{1}{5}$
11. $\frac{3x}{8} - \frac{3-x}{4} = \frac{1}{6}$
13. $\frac{x}{3} + \frac{2(x+2)}{4} = \frac{1}{3} - \frac{x}{6}$
15. $\frac{2(x-1)}{3} - \frac{3(2x+1)}{5} = \frac{1}{3} - \frac{x}{5}$
17. $\frac{9}{x} = 3$
19. $\frac{2}{x-2} = \frac{1}{4}$
21. $\frac{5}{2(x-1)} = \frac{3}{5}$
23. $\frac{4}{x+3} = 3 - \frac{8}{x+3}$
25. $\frac{5}{2(1+2x)} = \frac{3}{2(1+2x)} - 2$
- *27. $\frac{1}{x-3} + \frac{3}{x-2} = 0$
- *29. $\frac{3}{x+2} - \frac{4}{x+3} = 0$
31. $\frac{2x+3}{x-4} = 3$
33. $\frac{5}{6x} + \frac{7}{9x} = 29$
- *35. $\frac{1}{2x} + \frac{2}{3x} - \frac{3}{4x} = \frac{5}{8}$
- *37. $\frac{7}{3x-2} + \frac{9}{6x-4} = \frac{23}{26}$
6. $\frac{2x}{3} - \frac{11-x}{5} = 3$
8. $\frac{5x}{7} + \frac{3x+1}{2} = 16$
10. $\frac{2x}{3} - \frac{2x+1}{4} = \frac{5}{6}$
12. $\frac{4x}{5} + \frac{2x-3}{4} = \frac{9}{10}$
14. $\frac{3(2+x)}{4} - \frac{3(3-x)}{8} = \frac{5}{12}$
16. $\frac{4(2x-1)}{5} + \frac{2(3-x)}{4} = \frac{3}{10} - \frac{2x}{5}$
18. $\frac{6}{x} = \frac{5}{6}$
20. $\frac{6}{x+3} = \frac{2}{3}$
22. $\frac{4}{3(2-x)} = 5$
24. $\frac{12}{2x-1} = 2 + \frac{2}{2x-1}$
26. $3 + \frac{4}{x+4} = 1 - \frac{3}{x+4}$
- *28. $\frac{2}{x-1} + \frac{4}{x-2} = 0$
- *30. $\frac{4}{x-1} = 3 - \frac{2}{1-x}$
32. $\frac{42-7x}{27+5x} = \frac{1}{2}$
34. $\frac{8}{9x} - \frac{7}{12x} = \frac{1}{36}$
- *36. $\frac{2}{3x} - \frac{3}{7x} + \frac{1}{6x} = \frac{2}{7}$
- *38. $\frac{5}{21x-6} - \frac{9}{8-28x} = \frac{47}{60}$

Exercise 2.6 (p. 42)

1. $x = 15$

4. $x = 4$

7. $x = -5$

10. $x = 6\frac{1}{2}$

13. $x = -\frac{2}{3}$

16. $x = -\frac{4}{15}$

19. $x = 10$

22. $x = 1\frac{11}{15}$

25. $x = -\frac{3}{4}$

28. $x = 1\frac{1}{3}$

31. $x = 15$

34. $x = 11$

37. $x = 5$

2. $x = 6$

5. $x = 5$

8. $x = 7$

11. $x = 1\frac{7}{15}$

14. $x = \frac{1}{27}$

17. $x = 3$

20. $x = 6$

23. $x = 1$

26. $x = -7\frac{1}{2}$

29. $x = 1$

32. $x = 3$

35. $x = \frac{2}{3}$

38. $x = 1$

3. $x = -9$

6. $x = 6$

9. $x = 1$

12. $x = 1\frac{7}{26}$

15. $x = -4\frac{4}{5}$

18. $x = 7\frac{1}{5}$

21. $x = 5\frac{1}{6}$

24. $x = 3$

27. $x = 2\frac{3}{4}$

30. $x = 1\frac{2}{3}$

33. $x = \frac{1}{18}$

36. $x = \frac{17}{12}$