

1.  $\frac{35x}{36}$       2.  $\frac{12}{t^2}$       3.  $\frac{40}{3a^5}$   
 4.  $\frac{m(m-2)}{(m+2)(m-1)}$       5.  $\frac{2x(x-1)}{3(x+1)}$       6.  $\frac{12x^2}{5(x+1)}$   
 7.  $\frac{2c}{c-1}$       8.  $\frac{5x^4}{2}$       9.  $\frac{9}{t}$   
 10.  $\frac{1}{3}$       11.  $\frac{1}{2}$       12.  $\frac{3(4x+1)}{x-1}$   
 13.  $4(t+1)(t+2)$   
 14.  $3(2m+1)(m+2)$   
 15.  $\frac{(x-1)(x-2)}{3}$       16.  $\frac{x+1}{2}$       17.  $-\frac{2d-5}{6d^2}$   
 18.  $\frac{1}{c^2-1}$       19.  $\frac{1}{s+4}$       20.  $\frac{x-1}{x+3}$   
 21. 6      22.  $-\frac{1}{2}$       23.  $-\frac{1}{3}$   
 24.  $\frac{2(x+2)}{x-1}$       25.  $\frac{n-3}{4n+5}$       26.  $\frac{3}{x}$   
 27.  $\frac{11}{7k-15}$       28.  $\frac{1}{x+1}$       29.  $t+3$   
 30.  $\frac{c+1}{c-1}$       31.  $\frac{3t-5}{7t^2}$       32.  $\frac{5(2x-5)}{x-5}$   
 33.  $\frac{x-2}{x-3}$       34.  $\frac{x-5}{x}$

35. The student forgot to rewrite the expression using the reciprocal before canceling.

36. Check students' work.

37. 0,4,-4      38. \$88.71      39. \$132.96

40. a. \$200,000  
 b. 360 payments  
 c. \$1199.10  
 d. \$431,676

41.  $\frac{x - 2}{4(x + 7)}$

43.  $\frac{2}{a + 5}$

45. She wrote  $w^5$  as a fraction so she could easily see what she could cancel.

46. a.  $\frac{x^2}{4(2x + 1)^2}$

b.  $\frac{x(3x + 2)}{4(2x + 1)^2}$

47.  $\frac{9m^2(m + 1)}{2}$

49.  $\frac{x}{y + 5}$

51.  $\frac{m - 2}{2m(m - 1)}$

53.  $\frac{1}{(w + 2)(w + 3)}$

42.  $\frac{2m^2(m + 2)}{(m - 1)(m + 4)}$

44.  $\frac{r + 3}{(r - 1)(r + 1)^2}$

48. 1

50.  $\frac{-(2a + 3b)(a + 2b)}{(5a + b)(2a - 3b)}$

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