

# Answer Key

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## Practice B

1. 0   2. none   3. -4   4. 6   5. -2  
6. 6, -9   7. -6, 1   8. -7, 7   9. -3, 3
10.  $\frac{x}{3}$    11.  $\frac{5x}{7}$    12.  $\frac{3x}{2}$    13.  $\frac{6}{7x^3}$    14.  $\frac{5}{x+3}$
15.  $\frac{2x+1}{4}$    16.  $\frac{x-1}{6}$    17.  $\frac{4}{x+3}$    18.  $\frac{x-5}{x+3}$
19.  $\frac{x+1}{2x-1}$    20.  $\frac{x+6}{x-4}$    21.  $\frac{x-4}{x-3}$    22.  $\frac{4}{3}$
23. -1   24.  $-\frac{17}{15}$    25. 17   26.  $\frac{1}{2(x+3)}$ ;  $\frac{1}{10}$
27.  $\frac{2}{3(2x+3)}$ ;  $\frac{2}{21}$
28. Answers may vary. *Sample answer:*  $\frac{1}{x-2}$
29. Answers may vary. *Sample answer:*  
 $\frac{1}{x^2 - 2x - 15}$
30. Answers may vary. *Sample answer:*  $\frac{1}{x(x - \frac{1}{2})}$