

# Answer Key

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## Practice B

1.  $(2x + 1)(2x - 1)$     2.  $4(x + 4)$

3.  $x(x + 1)(x - 1)$     4.  $\frac{7 + x}{x - 2}$

5.  $\frac{2x - 1}{(x + 2)(x - 1)}$     6.  $\frac{6}{(x - 6)(x + 5)}$

7.  $\frac{2(4x^2 + 5x - 3)}{x^2(x + 3)}$     8.  $\frac{x}{x - 1}$

9.  $\frac{x^2 + 3x + 9}{x(x + 3)(x - 3)}$     10.  $\frac{4x + 7}{x + 3}$

11.  $\frac{x^2 + 9x - 12}{3x^2}$     12.  $\frac{3x + 1}{4x^2}$

13.  $\frac{-11x + 2}{3(x^2 + x + 2)}$     14.  $\frac{1}{6}$

15.  $I = \frac{-1374t^2 - 20,461t + 1,627,410}{(85 - t)(55 - 2t)}$

16. about 554,000 MDs; about 24,000 DOs