

## Extra Practice

### Lesson 12-5

(pages 666–671)

Find each quotient.

- $(2x^2 - 11x - 20) \div (2x + 3)$   $x - 7 + \frac{1}{2x + 3}$
- $(m^2 + 4m - 5) \div (m + 5)$   $m - 1$
- $(c^2 + 6c - 27) \div (c + 9)$   $c - 3$
- $(3t^2 - 14t - 24) \div (3t + 4)$   $t - 6$
- $\frac{12n^2 + 36n + 15}{6n + 3}$   $2n + 5$
- $\frac{4t^3 + 17t^2 - 1}{4t + 1}$   $t^2 + 4t - 1$
- $\frac{4m^2 + 4m - 15}{2m - 3}$   $2m + 5$
- $\frac{27c^2 - 24c + 8}{9c - 2}$   $3c - 2 + \frac{4}{9c - 2}$
- $\frac{t^3 - 19t + 9}{t - 4}$   $t^2 + 4t - 3 - \frac{3}{t - 4}$
- $(a^2 + 10a + 21) \div (a + 3)$   $a + 7$
- $(x^2 - 2x - 35) \div (x - 7)$   $x + 5$
- $(y^2 - 6y - 25) \div (y + 7)$   $y - 13 + \frac{66}{y + 7}$
- $(2r^2 - 3r - 35) \div (2r + 7)$   $r - 5$
- $\frac{10x^2 + 29x + 21}{5x + 7}$   $2x + 3$
- $\frac{2a^3 + 9a^2 + 5a - 12}{a + 3}$   $2a^2 + 3a - 4$
- $\frac{6t^3 + 5t^2 + 12}{2t + 3}$   $3t^2 - 2t + 3 + \frac{3}{2t + 3}$
- $\frac{4b^3 + 7b^2 - 2b + 4}{b + 2}$   $4b^2 - b + \frac{4}{b + 2}$
- $\frac{9x^3 + 2x - 10}{3x - 2}$   $3x^2 + 2x + 2 - \frac{6}{3x - 2}$