

p343
22.

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

Division Property of Equality

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

36.

$$\frac{2a}{2} = \frac{13}{2}$$

$$a = \frac{13}{2} \text{ or } a = 6\frac{1}{2}$$

44.

$$\frac{p}{-9} = .9 \quad \cdot -9$$

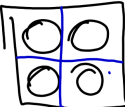
$$p = -8.1$$

46.

$$p + 2300 = 890$$

$$p = -1410$$

48.



\$4.32

$$\begin{array}{r} \$1.08 \\ 4 \overline{) 4.32} \\ \underline{-4} \\ 0.32 \\ \underline{-32} \\ 0 \end{array}$$

\$1.15
yes

50.

$$\begin{array}{r} 1.21 \\ 6 \overline{) 7.26} \\ \underline{-6} \\ 12 \\ \underline{-12} \\ 06 \\ \underline{-6} \\ 0 \end{array}$$

\$1.21

6.3 Products and Factors

$$4(x+2)$$

$$4(x+2)$$

Distribute

$$4x + 8$$

$$4x + 8$$

$$5(y+3)$$

$$5y + 15$$

$$2a(a^2 - 3)$$

$$2a^3 - 6a$$

$$4m^2(2m^2 - 5m)$$

$$8m^4 - 20m^3$$

$$8(3x + 2)$$

$$24x + 16$$

$$8x(3x + 2)$$

$$24x^2 + 16x$$

$$8x^2(3x + 2)$$

$$24x^3 + 16x^2$$

$$2(x+5) \quad \text{Distribute}$$

$$2x + 2(5)$$

$$2x + 10$$

Factor

What
is common
in both
terms?

$$2x + 10$$

$$2(x+5)$$

2

$$2(x+5)$$

Factor $3x + 12$

What is the
common factor?

$$3(x+4)$$

$$5x - 35$$

$$5(x - 7)$$

$$5x^2 + 15x$$

$$5x(x + 3)$$

GCF

$$20a^2 + 12a$$

$$4a(5a + 3)$$

GCF

$$7x^3 - 14x^2$$

$$7x^2(x - 2)$$

$$2m^4 + 6m^2$$

$$2m^2(m^2 + 3)$$

$$4r^2 + 4r$$

$$4r(r + 1)$$

$$3x^2 + 3$$

$$3(x^2 + 1)$$

p349
14-36E