

(Continued)

2.  $X$  is divided by a value and then has a value either added to it or subtracted from it.

a.  $\frac{X}{2} - 4 = 1$

c.  $\frac{X}{3} + 1.75 = 8.25$

e.  $27 - \frac{X}{5} = 16$

b.  $\frac{X}{4} + 5 = 11$

d.  $9 + \frac{X}{8} = 13$

f.  $2.53 + \frac{X}{2} = 3.60$

3.  $X$  has a value added to it or subtracted from it and is then multiplied by a value.

a.  $3(X + 2) = 21$

c.  $6(X - 6) = 78$

e.  $1.34(X - 2.75) = 21.24$

b.  $10(X - 7) = 40$

d.  $.50(X + 2) = 14.50$

f.  $4.00(X + 7.44) = 56.52$

4.  $X$  has a value added to it or subtracted from it and is then divided by a value.

a.  $\frac{X-5}{2} = 4$

c.  $\frac{X-11}{14} = 3$

e.  $\frac{X-5.85}{3.70} = 12.50$

b.  $\frac{X-7}{3} = 9$

d.  $\frac{X-1.75}{4} = 11.00$

f.  $\frac{X-25.88}{7.20} = 34.90$

## ANSWERS TO PROBLEMS

### Addition, Subtraction, Multiplication, Division

1. All positive numbers

a. 13

e. 72

i. 7

b. 22

f. 9

j. 10

c. 42

g. 8

k. -1

d. 33

h. 29

l. -4

2. Adding all negative numbers

a. -11

c. -82

b. -36

d. -57

3. Adding a combination of positive and negative numbers

a. -2

c. -2

b. 15

d. 39

4. Subtracting negative numbers

a. 28

c. -3

b. 64

d. 11

5. Multiplying two negative numbers

a. 12

c. 63

b. 50

d. 90

6. Multiplying combination of positive and negative numbers

a. -54

d. -56

g. -288

b. 95

e. 96

h. 144

c. -143

f. -105