

38.)  $5m^2 + (m^2 + 5)$   
 $6m^2 + 5$  associative

$$28.) \quad \begin{array}{l} \overbrace{-3(2x-6)} \\ -6x + 18 \end{array}$$

$$50.) \quad 4(8p + 4q - 7r)$$
$$32p + 16q - 28r$$

$$40.) \quad \begin{array}{l} 5 + x + 5 + x + xy \\ 10 + 2x + xy \end{array}$$

1-5 Equations

$\{ \dots -3, -2, -1, 0, 1, 2, 3, \dots \}$

[

a. b. a.  
d. i.

$$8m - 7 = 17$$

0  
1  
2  
3

{ 3 }

$$\begin{aligned}7 - (4^2 - 10) + n &= 10 \\7 - (16 - 10) & \\7 - 6 + n & \\1 + n &= 10 \\-1 & \quad -1 \\n &= 9\end{aligned}$$

$$K(3+2) + 6 = 5n + (10-3)$$

$$3n + 2n + 6 = 5n + 7$$

no solution  $5n + \underset{-6}{6} \neq 5n + \underset{-6}{7}$

$$5n = 5n + 1$$

$$\underset{-5n}{-5n} \quad \underset{-5n}{-5n}$$

$$0 \neq 1$$

4A.  $12(10-7) + 9g = g(2^2 + 5) + 36$   
 $12(3)$   
 $36 + 9g = 9g + 36$   
 $9g + 36 = 9g + 36$

all  
real  
#1 ✓

$$\frac{52}{4} = \frac{42}{4}$$

$$13 = 2 \text{ no solution}$$

$$\begin{aligned} 17 &= 24 - y \\ -24 & \quad -24 \\ \hline -7 &= -y \\ 7 &= y \end{aligned}$$

$$\begin{aligned} 17 &= 24 - y \\ -17 & \quad -17 \\ \hline \quad &= 7 - y \end{aligned}$$