6.3 Solving Equations by Combining Terms Worksheet

A. Solve.

1) $7x - 3 = 4x + 3$

2) $5y + 9 = 2y - 3$

3) $-4m + 2 = 6m + 12$

4) $-8t - 5 = -9t - 7$

5) $3r - 2 = -5r + 14$

6) $6p - 7 = -6p - 7$

7) $5 - y = 3 - 2y$

8) $3 - 2t = 5 - 5t$

9) $3y - 2 = y + 4$

10) $y + 7 = 3y - 9$

11) $4 - r = 3 - 2r$

12) $r - 1 = 5r - 7$

13) $6y - 2 = 5y + 4$

14) $-11 + 6v = -6v + 11$

B. Expand first, then solve.

1) $3(x-1)=12$

2) $9y-3=3(y-4)$

3) $6-(t-3)=-3(t-1)$

4) $-(4+2p)=4(2-2p)$

5) $7(x+3)=5(x-1)$

6) $6(-2-x)=-5(2x+4)$

7) $-4-(2y-1)=-(3y+1)$

8) $5(x-1)=8(1-x)$

9) $-2(x-1)=-2x-(x+4)$

10) $-3(y+1)=-2(y-1)$

11) $4(x-2)+5=3+2(x-3)$

12) $-2(m+4)+12=3(5-m)-8$

13) $3(n-2)+12=6n-3(4-n)$

14) $1+5(x-1)=4(x-3)+6$