**Equations with Parentheses**

**Use the distributive property to simplify.**

1) $3(2x-5)$ 2) $7(4x+12)$ 3) $8(3+6b)$

**Solve.**

4) $2\left(x+3\right)=10$ 5) $5\left(x-2\right)=0$ 6) $2\left(x-5\right)=x$

7) $3\left(y+4\right)=5y$ 8) $4\left(x-3\right)= 0$ 9) $5\left(x-3\right)= 2x$

10) $4\left(y-1\right)= 2y+6$ 11) $2\left(z+2\right)= 3z+2$ 12) $6\left(x-1\right)= 3(x+1)$

13) $8\left(x-1\right)= 4(x+4)$ 14) $3 \left(a-2\right)+ a=2(a+1)$