**You must SHOW ALL WORK to receive full credit.**

**Solve the following equations.**

1. $5x=40$ 2. $x+3=23$

3. $4c+22=7c+10$ 4. $4\left(x+2\right)+2=2(4x+1)$

5. $2\left(3x+4\right)+2x+5=3\left(3x+1\right)+x$