Solving Equations: Two Step? Pfft, I Want To Multi Step!

I. Linear Equations

Solve: $13y+48=8y-47$ Solve: $3x-7\left(2x-13\right)=3(-2x+9)$

On Your Own:

Solve the following

1. $8z+12=5z-21$ 2. $6-2\left(y-3\right)=70$

3. $-6\left(t-2\right)=-2\left(9-2t\right)$ 4. $4\left(m+9\right)=-3\left(m-4\right)$

III. Word Problems

1. The length of the court in the historic (and best stadium) TD Garden is 34ft longer than its width. If the perimeter is 268ft, what is the length and width of this rectangle?

Classwork:

Solve each equation or inequality.

1. $8-\left(3+b\right)=b-9$ 2. $3\left(q-5\right)=2\left(q+5\right)$

3. $2r-\left(5-r\right)=13+2r$ 4. $-\left(7-4x\right)=9$

5.$ -18-6k=6\left(1+3k\right)$ 6. $3n-5=-8\left(6+5n\right)$

7.$ 2\left(4x-3\right)-8=4+2x$ 8. $\frac{1}{2}h+\frac{1}{3}\left(h-6\right)=\frac{5}{6}h+2$