**Equations Review**

Your goal is to isolate the variable on one side…

1. Remove brackets
2. Separate the terms that contain the variable from the others
Note, it might be easier sometimes to get rid of the denominators…
3. Divide by the coefficient of *x*

Examples: Your turn:

1. $3x-5=13$ $2x-7=5$
2. $7x-4=4x+1$ $3x-5=7x+3$
3. $2\left(3x-1\right)=4x-3$ $4\left(2x-3\right)=5x-9$
4. $3-2(x-5)=3x+12$ $4-3\left(x-4\right)=2x+6$
5. $\frac{3}{4}\left(x-8\right)=3x+1$ $\frac{2}{5}\left(x-15\right)=4x+3$
6. $\frac{3x+1 }{2}=\frac{5x-7}{3}$ $\frac{2x-3}{3}=\frac{4x-2}{5}$
7. $\frac{2}{3}x-\frac{4}{5}=\frac{1}{5}x-\frac{5}{3}$ $\frac{2}{5}x-\frac{1}{7}=\frac{3}{7}x-\frac{3}{5}$