Algebra II Notes 1-4

Properties of Real Numbers Name:

**Example 1**: Evaluate each expression if $w=-4, x=2, y=\frac{1}{2}, and z=-6$.

1. $\left|2\right|=$
2. $\left|-3\right|=$
3. $\left|2x-8\right|=$
4. $\left|7-x\right|+\left|3x\right|=$
5. $3\left|wx\right|+\frac{1}{4}\left|4x+8y\right|=$

**Example 2**: Solve each equation. **Check you solutions**.

1. $\left|2\right|=$
2. $\left|-2\right|=$

What do you notice about the answers for A and B?

1. $\left|x+15\right|=37$
2. $\left|m+3\right|=12-2m$
3. $\left|16-3x\right|=4x-12$