**6.2 Proportion Properties**

**1) Reciprocal Property**

**If** $\frac{a}{b}$ **=** $\frac{c}{d}$ **then** $\frac{b}{a}$ **=** $\frac{d}{c}$

**2) Interchange Means Property**

**If** $\frac{a}{b}$ **=** $\frac{c}{d}$ **then** $\frac{a}{c}$ **=** $\frac{b}{d}$

**3) If** $\frac{a}{b}$ **=** $\frac{c}{d}$ **then** $\frac{a+b}{b}$ **=** $\frac{c+d}{d}$

 **Scale Drawing: drawing of an object such that the drawing and object have the same shape but are different sizes. There will be a “scale” used for the dimensions of the drawing.**

**Scale: ratio of dimensions of drawing to object or vice versa**