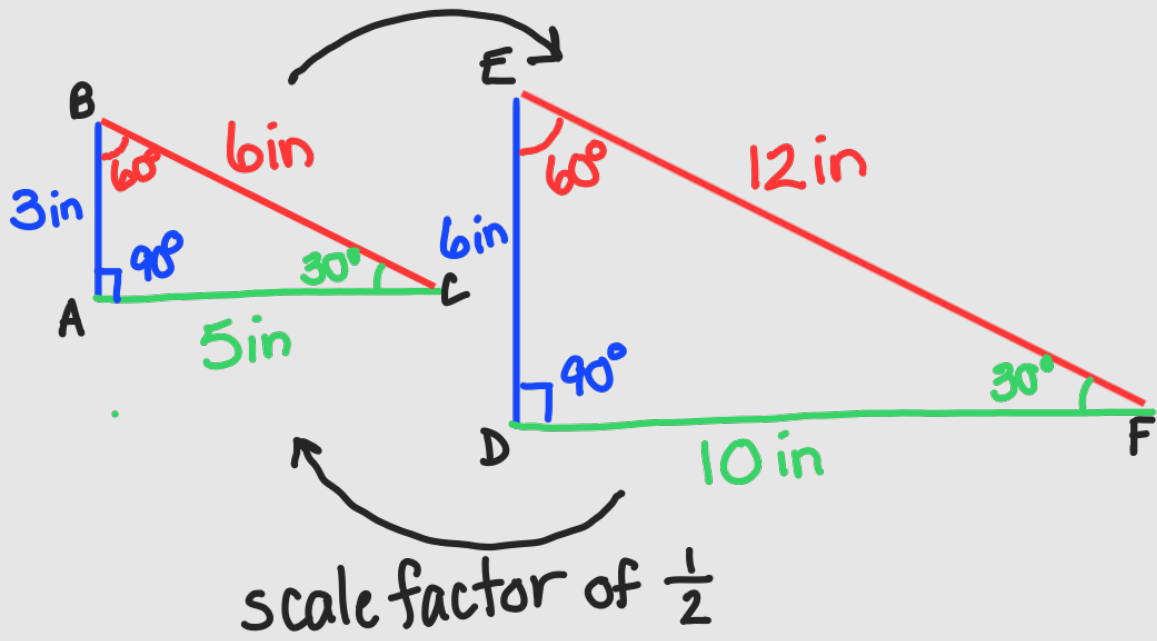


Scale Drawings

scale factor of 2



If 2 shapes are scale copies, then...

scale factor of 2
 $\triangle ABC$ to $\triangle DEF$ $3\text{ in} \times 2 = 6\text{ in}$ $6\text{ in} \times 2 = 12\text{ in}$ $5\text{ in} \times 2 = 10\text{ in}$

scale factor of $\frac{1}{2}$
 $\triangle DEF$ to $\triangle ABC$ $6\text{ in} \times \frac{1}{2} = 3\text{ in}$ $12\text{ in} \times \frac{1}{2} = 6\text{ in}$ $10\text{ in} \times \frac{1}{2} = 5\text{ in}$

- corresponding sides are proportional

$$\frac{3\text{ in}}{6\text{ in}}$$

$$\frac{5\text{ in}}{10\text{ in}}$$

$$\frac{6\text{ in}}{12\text{ in}}$$

- corresponding angles are congruent

$$\angle A \cong \angle D \quad \angle C \cong \angle F \quad \angle B \cong \angle E$$