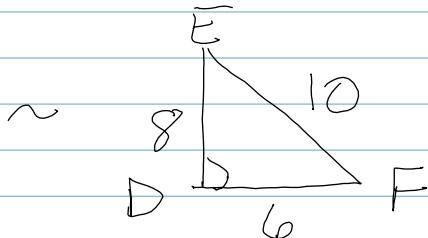
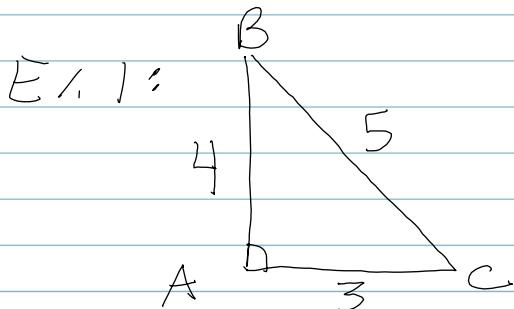


Similar Figures

- 1.) Corresponding angles are \cong
- 2.) Corresponding sides are in proportion



$$\angle A \cong \angle D$$

$$\angle B \cong \angle E$$

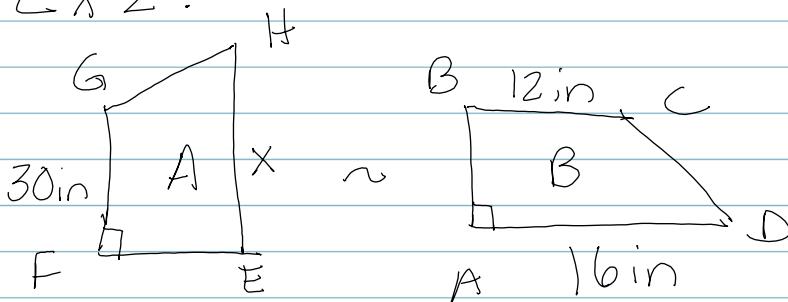
$$\angle F \cong \angle C$$

$$\frac{\Delta ABC}{\Delta DEF} \quad \frac{3}{6} = \frac{4}{8} = \frac{5}{10}$$

$$\frac{1}{2} = \frac{1}{2} = \frac{1}{2}$$

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Ex 2:



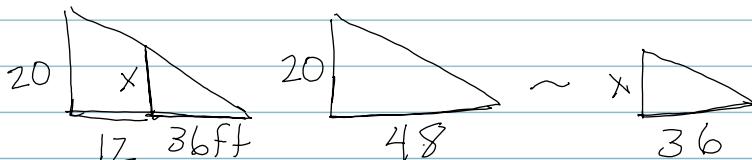
$$\frac{A(\text{in})}{B(\text{in})} = \frac{30}{12} = \frac{x}{16}$$

$$\frac{5}{2} = \frac{x}{16}$$

(8)

$$x = 40 \text{ inches}$$

Ex 3:



Big Δ
Small Δ

$$\frac{48}{36} = \frac{20}{x}$$

(4) $\frac{4}{3} = \frac{20}{x}$

$$x = 15 \text{ ft}$$