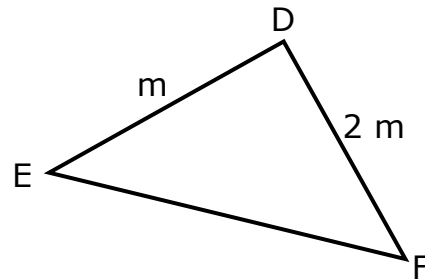
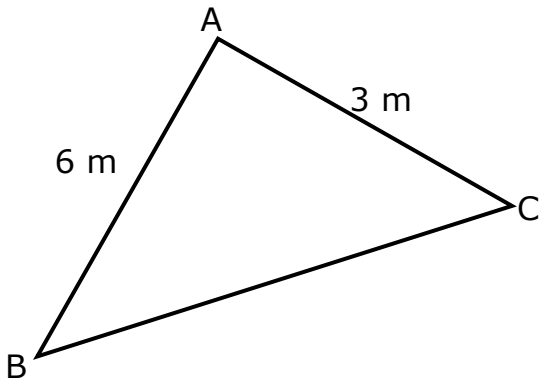


Name _____

Date _____

Corresponding Angles of Similar of Triangles- Step-by-Step Lesson

In the diagram below, $\triangle ABC \approx \triangle DEF$. Find m .

**Explanation:**

Step 1) We should know what we have to be find out.

“Find the missing length.”

Step 2) $\triangle ABC \sim \triangle DEF$ means that $\triangle ABC$ is similar to $\triangle DEF$. And the sides of similar triangles are proportional.

$$\text{So, } \frac{AC}{DF} = \frac{AB}{DE}$$

$$\frac{3}{2} = \frac{6}{m}$$

$$m = \frac{2 \times 6}{3}$$

$$m = \frac{12}{3}$$

$$m = 4$$

Step 3) The missing length is 4 meters long.

