NAME _____ DATE _____

# WARM-UP EXERCISES

For use before Lesson 8.6, pages 497–505

## Solve each proportion.

**1.** $\dfrac{4}{x} = \dfrac{21}{7}$

**2.** $\dfrac{4}{11} = \dfrac{18}{z}$

**3.** $\dfrac{x+1}{4} = \dfrac{6}{10}$

**4.** $\dfrac{3-y}{y} = \dfrac{1}{5}$

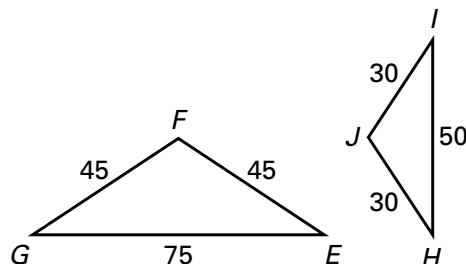····································································································
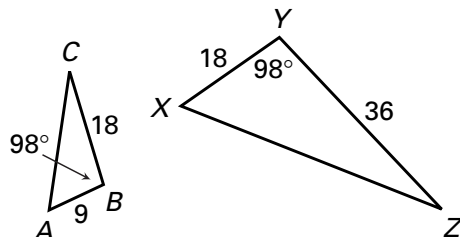
## DAILY HOMEWORK QUIZ

For use after Lesson 8.5, pages 488–496

## Are the triangles similar? If so, state the similarity and the postulate or theorem that justifies it.

**1.**



**2.**



**3.** Find the distance across the lake shown if $CD = 120$ ft, $DX = 90$ ft, $AX = 180$ ft, and $\overline{AB} \parallel \overline{CD}$.