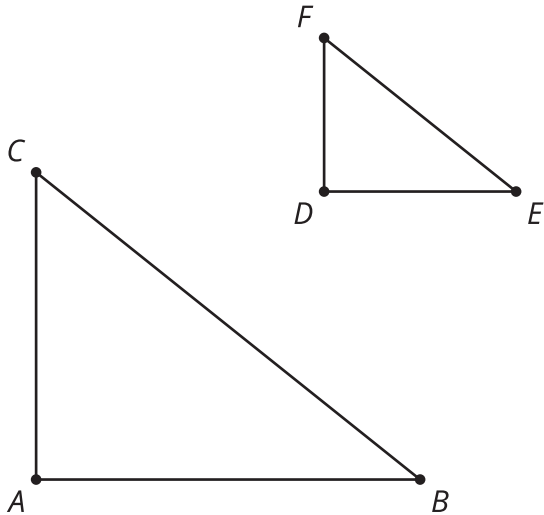# Unit 4 Lesson 1: Angles and Steepness

1 Ratios Galore (Warm up)
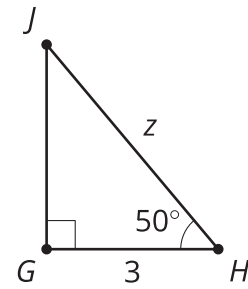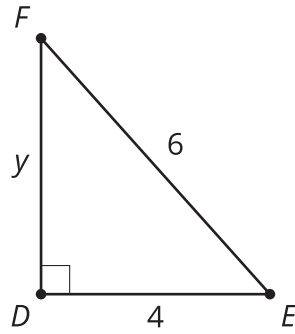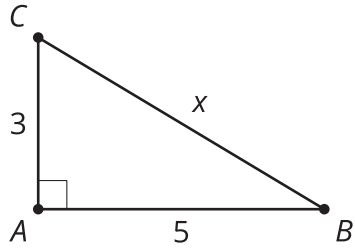
Student Task Statement

Triangle ABC is similar to triangle DEF. Write as many equations as you can to describe the relationships between the sides and angles of the 2 triangles.

2 Can You Calculate?

Student Task Statement

Find the values of x, y, and z. If there is not enough information, what else do you need to know?

3 Is it Accessible?

Student Task Statement

1. Some buildings offer ramps in addition to stairs so people in wheelchairs have access to the building. What characteristics make a ramp safe?

2. A school has 4 steps to the front door. Each step is 7 inches tall. Design a ramp for the school.

3. Your teacher will give you the Americans with Disabilities Act (ADA) guidelines. Does your design follow the rules of this law? If not, draw a new design that does.