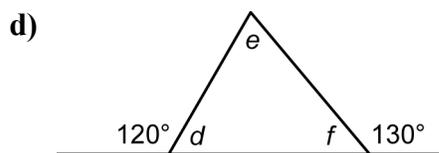
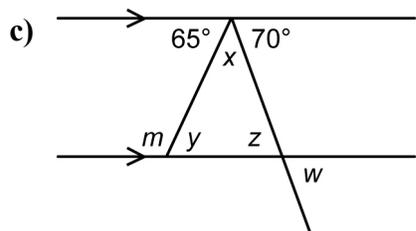
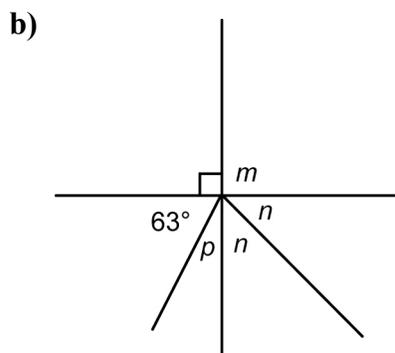
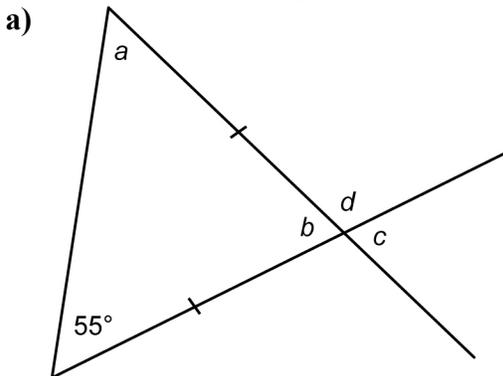


# Get Ready

## Angle Properties

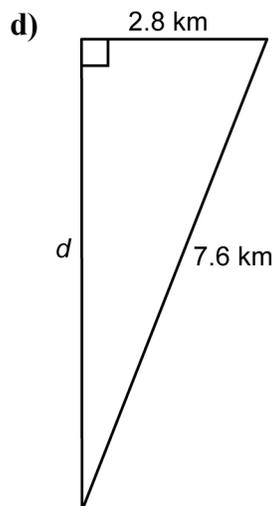
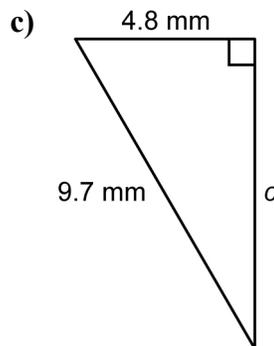
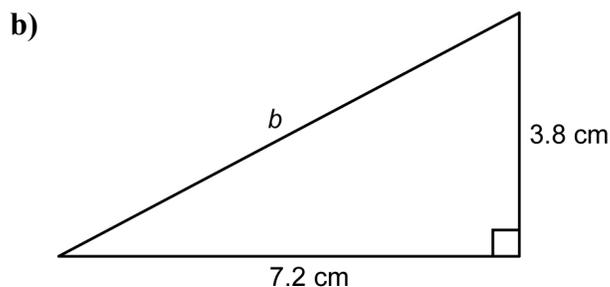
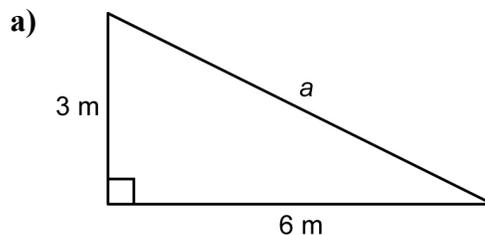
1. Find each unknown angle.



2. Prove that the opposite angles of a pair of intersecting lines are equal.

## Pythagorean Theorem

3. Find the unknown side length in each triangle. Round your answers to the nearest tenth of a unit.

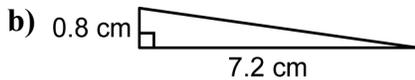
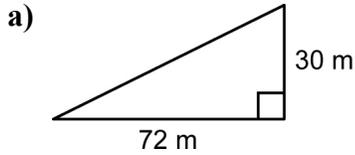


Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Slope**

4. Find the slope of each ramp. Express your answers as fractions in lowest terms.



**Equivalent Ratios**

5. Solve each proportion.

a)  $\frac{x}{5} = \frac{4}{7}$

b)  $\frac{4}{y} = \frac{3}{4}$

c)  $\frac{m}{5} = \frac{5}{m}$

d)  $\frac{x+1}{3} = \frac{2}{x}$

**Transformations**

6. Identify the type of transformation in each case.

