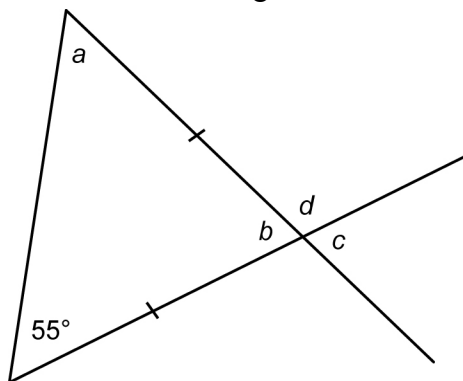


Get Ready

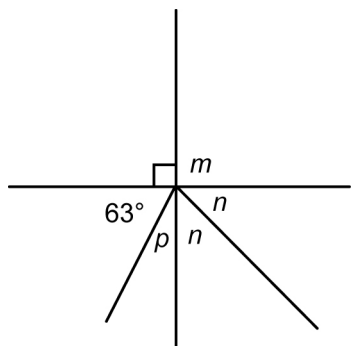
Angle Properties

1. Find each unknown angle.

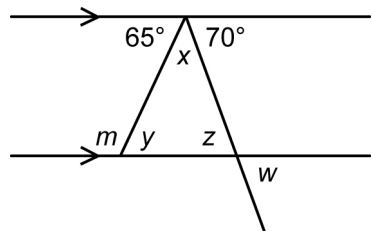
a)



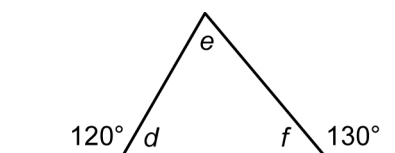
b)



c)



d)

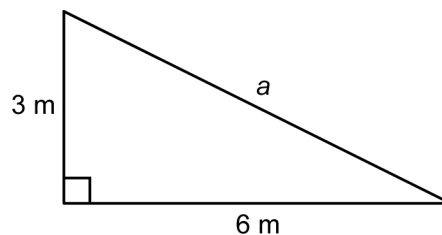


2. Prove that the opposite angles of a pair of intersecting lines are equal.

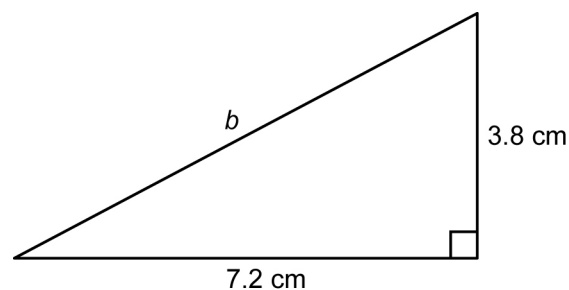
Pythagorean Theorem

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

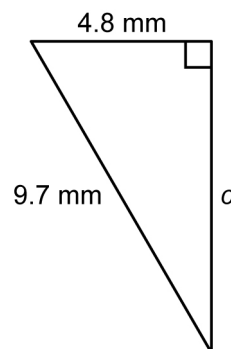
a)



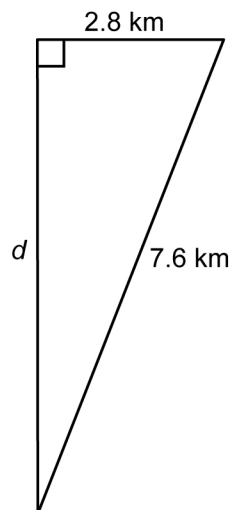
b)



c)



d)



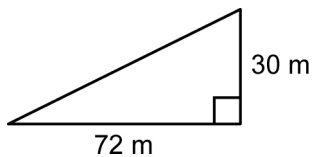
Name: _____

Date: _____

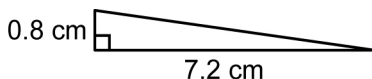
Slope

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

a)



b)



Equivalent Ratios

5. Solve each proportion.

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

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

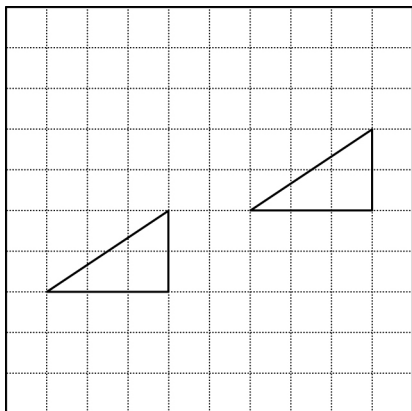
c) $\frac{m}{5} = \frac{5}{m}$

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

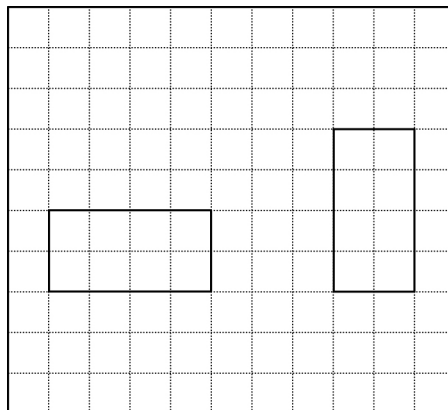
Transformations

6. Identify the type of transformation in each case.

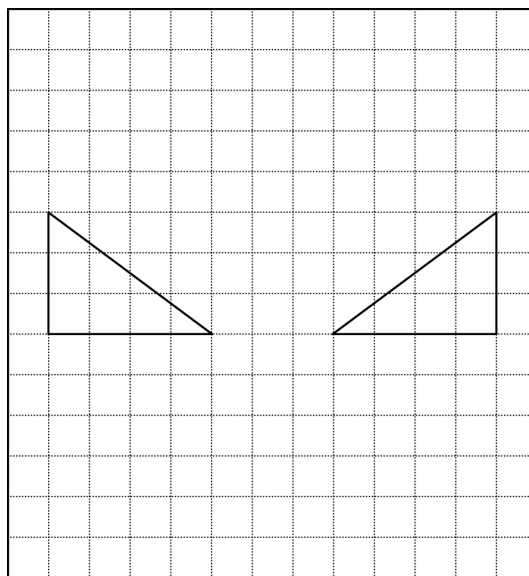
a)



b)



c)



d)

