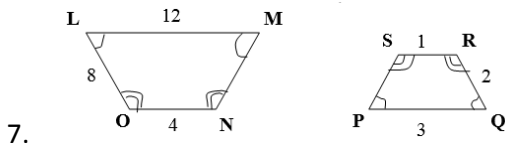
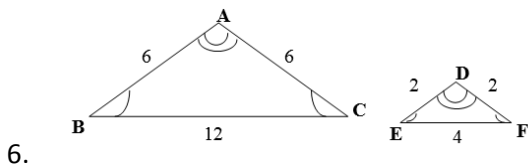


Looking back

- Melanie bought 80 sunflower seeds, but she already has eaten 70% of them. How many sunflower seeds has Melanie eaten?
- Michael spent 72% of his \$120 paycheck. How much money did he spend?
- Jessie buys a camera for \$150. It was on sale for 30% off the regular price. How much money did Jessie save off the price of the camera?
- 10 is ____% of 16?
- What is 28% of 40?

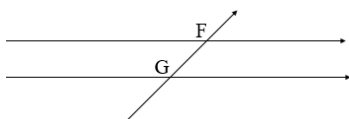
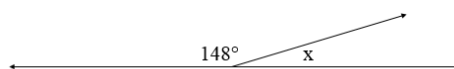
Similar figures: Use ratios to determine if the figures are similar



- An architect is going to use the scale below to make a scale model of a building. 4 inches represent 10 feet. The building will be 63 feet wide. What should be the width in inches of the model?
- On a sunny day, Tim noticed that the shadow of a tree was 12 meters long and the shadow of a mailbox next to the tree was 2.75 meters long as shown below. If the mailbox is about 1 meter high from the ground, which is closest to the height in meters of the tree?

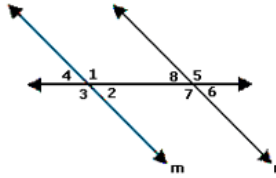
Angles

10. Find the measure of the missing angle →:



11. What is the relationship between Angles F and G?

12. • **Question:** Which statements below can be used to justify $\angle 4 = \angle 6$
- **Statement 1:** $\angle 2$ and $\angle 6$ are corresponding angles
 - **Statement 2:** $\angle 4$ and $\angle 8$ are supplementary angles
 - **Statement 3:** $\angle 2$ and $\angle 4$ are vertical angles



- a. Statement 1
- b. Statement 3
- c. Statement 1 and Statement 3
- d. Statement 2 and Statement 3

Circles

13. If the diameter of a circle is 14 cm, what is the circumference of the circle?
14. The radius of a circular garden is 8.2 yards. If Chris puts a fence around the outer edge of the garden, how long will the fence be?
15. If the diameter of a circle is 50 feet, what is the radius?
16. A circle has a radius of 5.5 meters. What is the area of the circle?
17. Ms. Ryan wants to carpet a circular room in her home. The room is 12 feet across (diameter). What is the area of the circular room?

Compound figures: Find the area and perimeter of the figures below

