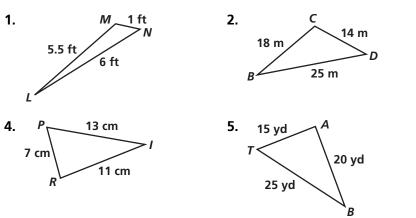
.

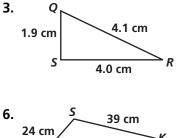
Practice 5-5

Inequalities in Triangles

Determine the two largest angles in each triangle.



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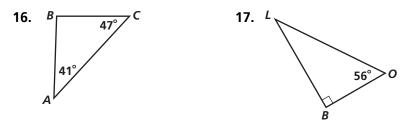


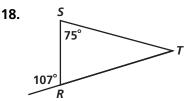
55 cm

Can a triangle have sides with the given lengths? Explain.

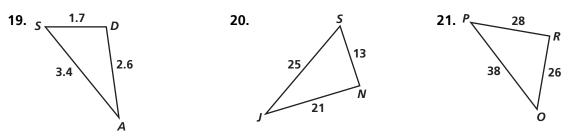
- **7.** 4 m, 7 m, and 8 m
- **10.** 1 yd, 9 yd, and 9 yd
- **13.** 1.2 cm, 2.6 cm, and 4.9 cm
- **14.** $8\frac{1}{2}$ yd, $9\frac{1}{4}$ yd, and 18 yd
- **9.** 4 in., 4 in., and 4 in.
- **12.** 18 ft, 20 ft, and 40 ft
- **15.** 2.5 m, 3.5 m, and 6 m

List the sides of each triangle in order from shortest to longest.





List the angles of each triangle in order from largest to smallest.



8. 6 m, 10 m, and 17 m

11. 11 m, 12 m, and 13 m

The lengths of two sides of a triangle are given. Describe the lengths possible for the third side.

22.	4 in., 7 in.	23. 9 cm, 17 cm	24. 5 ft, 5 ft
25.	11 m, 20 m	26. 6 km, 8 km	27. 24 in., 37 in.