Problem 3 Using the Triangle Inequality Theorem

Determine whether it is possible to form a triangle using each set of segments with the given measurements. **Choose "yes" or "no".**

1. 3 in., 2.9 in., 5 in.

2. 4 m, 5.1 m, 12.5 m

3. 10 yd, 5 yd, 21 yd

4. 112 mm, 300 mm, 190 mm

5. 8 ft, 9 ft, 11 ft

6. 7.4 cm, 8.1 cm, 9.8 cm

7. 13.8 km, 6.3 km, 7.5 km

8. 20.2 in., 11 in., 8.2 in.

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