## **Triangle Inequality**

Sheet 1

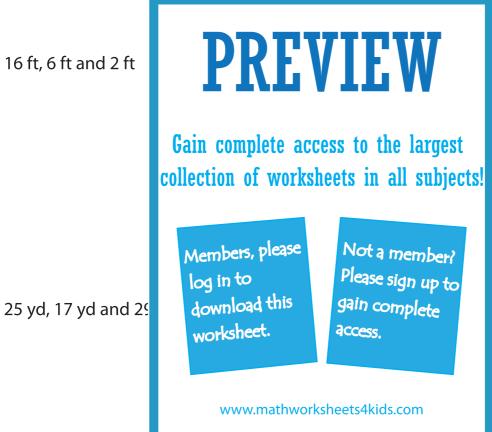
Determine if the three lengths can be the measures of the sides of a triangle.

3 in, 9 in and 8 in

2) 37 ft, 13 ft and 21 ft

16 ft, 6 ft and 2 ft 3)

5)



0 yd

20 in

- Alice prepares a cheese sandwich for her supper. She stuffs an isosceles triangular cheese slice in it. Which of the following is the possible side measures of the cheese slice?
  - a) 3 in, 5 in, 8 in
- b) 4 in, 4 in, 6 in
- c) 3 in, 3 in, 6 in