

Name : _____

Triangle Inequality

If the measures of two sides of a triangle are given, determine the least possible whole number measure of the third side.

1) 38 ft, 39 ft

2) 26 yd, 21 yd

3) 30 in, 2 in

5) 5 yd, 17 yd

7) 37 ft, 20 ft

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9) John designs an isosceles triangle pennant to show support for his college sports team. He takes 8 inches as one of the sides of the flag. What is the minimum possible whole number measure of the remaining equal sides of his pennant?

a) 5 inches

b) 8 inches

c) 4 inches

Triangle Inequality

If the measures of two sides of a triangle are given, determine the least possible whole number measure of the third side.

1) 38 ft, 39 ft

2) 26 yd, 21 yd

2 ft**6 yd**

3) 30 in, 2 in

29 in

5) 5 yd, 17 yd

13 yd

7) 37 ft, 20 ft

18 ft**22 yd**

9) John designs an isosceles triangle pennant to show support for his college sports team. He takes 8 inches as one of the sides of the flag. What is the minimum possible whole number measure of the remaining equal sides of his pennant?

 a) 5 inches b) 8 inches c) 4 inches

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