

Name : _____

Triangle Inequality

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

1) 17 in, 6 in

2) 20 ft, 20 ft

3) 24 ft, 8 ft

5) 20 yd, 19 yd

7) 3 in, 7 in

9) Alex installs a triangular window for his attic. If he fixes 6 feet as the length of the two sides, what would be the greatest possible third side length of the window?

a) 13 feet

b) 12 feet

c) 11 feet

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Triangle Inequality

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

1) 17 in, 6 in

2) 20 ft, 20 ft

22 in**39 ft**

3) 24 ft, 8 ft

31 ft

5) 20 yd, 19 yd

38 yd

7) 3 in, 7 in

9 in**37 yd**

9) Alex installs a triangular window for his attic. If he fixes 6 feet as the length of the two sides, what would be the greatest possible third side length of the window?

a) 13 feet

b) 12 feet

c) 11 feet