



**Triangle Inequality - MCQ**

- 1) Which of the following set of measures form a triangle?
- a) 11 inches, 21 inches, 6 inches       b) 5 inches, 7 inches, 9 inches
- c) 25 inches, 12 inches, 39 inches      d) 10 inches, 18 inches, 32 inches
- 2) Which of the following cannot be the measure of the third side of the triangle, if the other two sides measure 23 feet and 8 feet?
- a) 32 feet       b) 16 feet
- c) 21 feet
- 3) Which of the following cannot be the measure of the third side of the triangle, if the other two sides measure 10 yards and 15 yards?
- a) 2 yards       b) 25 yards
- c) 29 yards
- 4) Which of the following cannot be the measure of the third side of the triangle, if the other two sides measure 4 inches and 8 inches?
- a) 4 inches, 8 inches       b) 12 inches, 21 inches
- c) 12 inches, 6 inches       d) 12 inches, 30 inches
- 5) Which of the following cannot be the measure of the third side of the triangle, if the other two sides measure 6 yards and 9 yards?
- a) 6 yards       b) 7 yards
- c) 3 yards      d) 12 yards
- 6) Which of the following is the greatest possible measure of the third side of the triangle, if the other two sides measure 22 feet and 18 feet?
- a) 4 feet       b) 39 feet
- c) 5 feet      d) 40 feet

