

**Math 375, Spring 2026, Quiz 8, 2/23/26**

**Name:**

1) Two triangles ABC and DEF are similar. Triangle ABC has side lengths 7 cm, 9 cm, and 13 cm. The smallest side on DEF is 18 cm. Find the lengths of the other 2 sides, rounding to the nearest whole number.

2) A 30-60-90 triangle has the long leg equal to 21 inches. Find the lengths of the other two sides, rounding to the nearest whole number.

Ans:

1) 23 cm and 33 cm

2) 12 inches and 24 inches