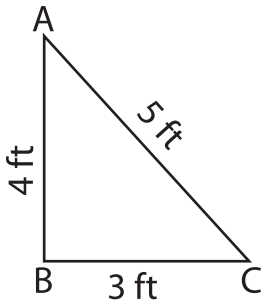
Name : Shubh

Identify the right triangles

Sheet 1

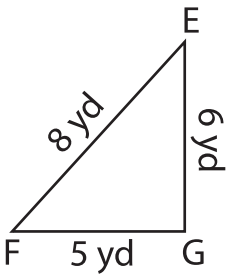
Apply the Pythagorean theorem. Find whether each triangle has a right angle.

1)



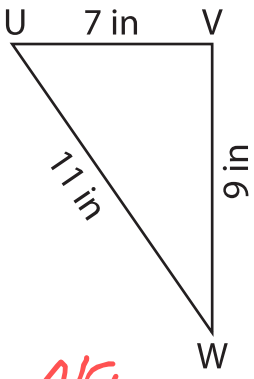
yes

2)



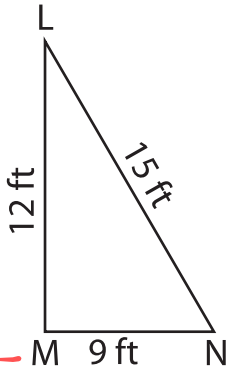
No

3)



NO

4)



yes

5) In triangle XYZ, the sides XY, YZ and XZ measure 12 ft, 16 ft and 20 ft respectively. Prove that XYZ is a right triangle.

16ft + 12ft + 20ft = 48ft. 48 is considered a right with sides.

The 12ft 16ft 20ft is right

6) In triangle PQR, the sides PQ, QR and PR measure 15 in, 20 in and 25 in respectively. Prove that PQR is a right triangle.

15in + 20in + 25in = 60in which is part of 30-60-90 degree right triangle.

also yes.