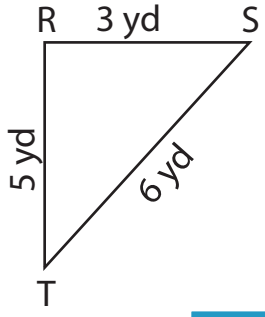
Name : _____

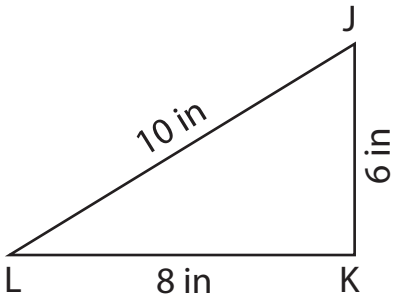
Identify the right triangles

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

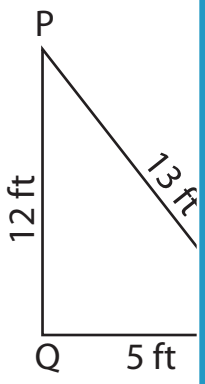
1)

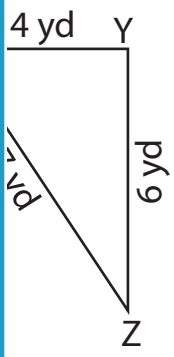


2)



3)





5) In triangle ABC, the ... d 26 yd respectively. Prove that ABC is a

6) In triangle EFG, the sides EF, FG and EG measure 15 ft, 17 ft and 8 ft respectively. Prove that EFG is a right triangle.

Name : _____

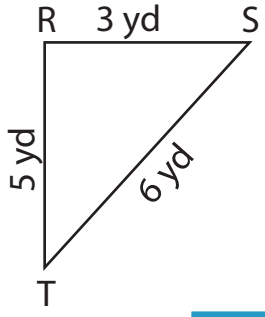
Answer Key

Sheet 2

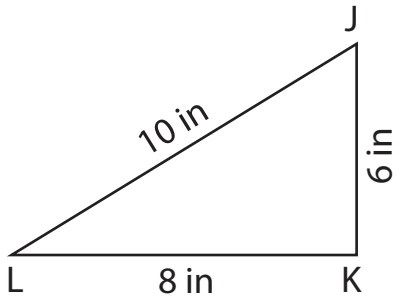
Identify the right triangles

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

1)

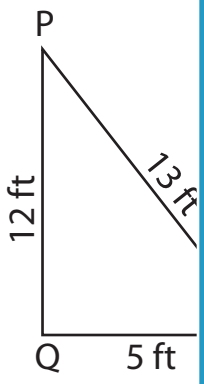


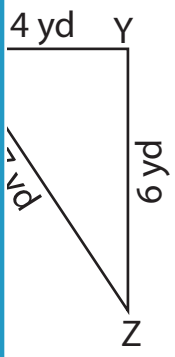
2)



not a right tr **t triangle**

3)





right trian **ight triangle**

5) In triangle ABC, the ... and 26 yd respectively. Prove that ABC is a ...

$AB^2 = 576$ yd, BC

$AB^2 + BC^2 = AC^2$

ABC is a right triangle.

6) In triangle EFG, the sides EF, FG and EG measure 15 ft, 17 ft and 8 ft respectively. Prove that EFG is a right triangle.

$EF^2 = 225$ ft, $FG^2 = 289$ ft, $EG^2 = 64$ ft

$EF^2 + EG^2 = FG^2$

EFG is a right triangle.