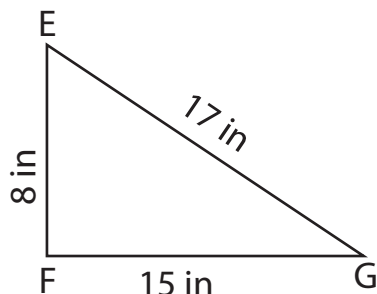


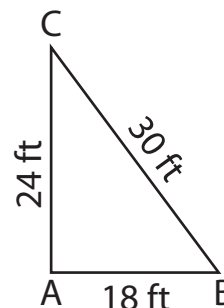
Identify the right triangles

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

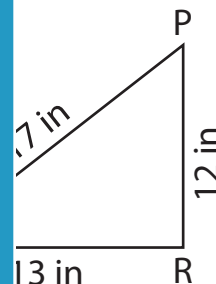
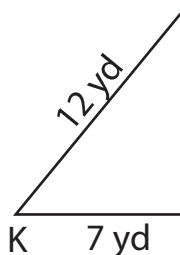
1)



2)



3)



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5) In triangle UVW, the sides UV and VW measure 12 in and 6 yd respectively. Prove that UVW is a right triangle.

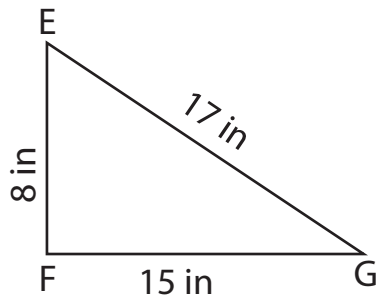
and 6 yd respectively.

6) In triangle LMN, the sides LM, MN and LN measure 9 in, 15 in and 12 in respectively. Prove that LMN is a right triangle.

Identify the right triangles

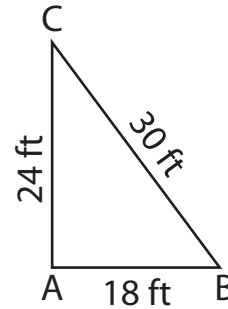
Apply the Pythagorean theorem. Find whether each triangle has a right angle.

1)



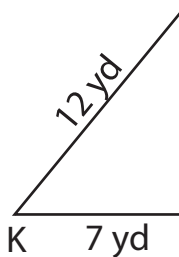
right triangle

2)



not triangle

3)



not a right triangle

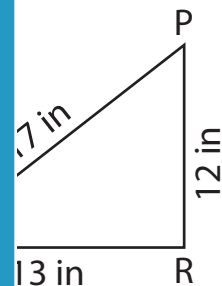
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right triangle

5) In triangle UVW, the sides UV and VW measure 10 yd and 6 yd respectively. Prove that UVW is a right triangle.

$UV^2 = 100 \text{ yd}^2, VW^2 = 36 \text{ yd}^2$

$VW^2 + UV^2 = UV^2 + VW^2$

UVW is a right triangle.

6) In triangle LMN, the sides LM, MN and LN measure 9 in, 15 in and 12 in respectively. Prove that LMN is a right triangle.

$LM^2 = 81 \text{ in}^2, MN^2 = 225 \text{ in}^2, LN^2 = 144 \text{ in}^2$

$LM^2 + LN^2 = MN^2$

LMN is a right triangle.