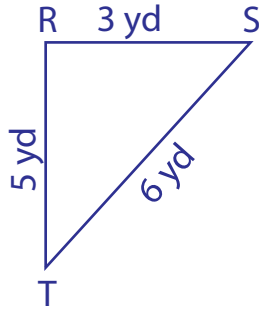


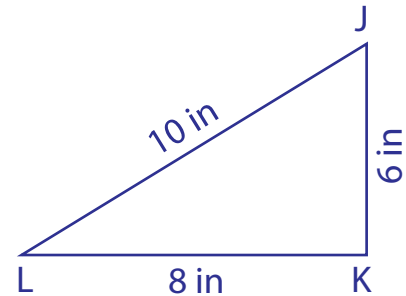
## Identify the right triangles

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

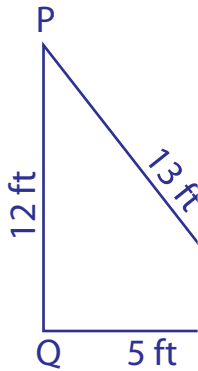
1)



2)



3)



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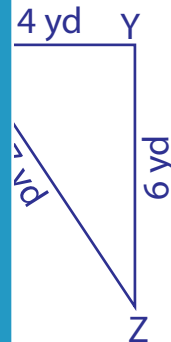
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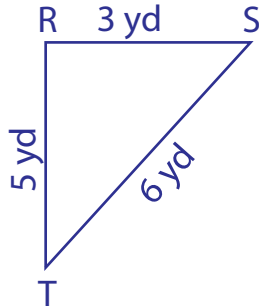
- 5) In triangle ABC, the sides AB, BC and AC measure 15 yd, 20 yd and 26 yd respectively. Prove that ABC is a right triangle.

- 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.

## Identify the right triangles

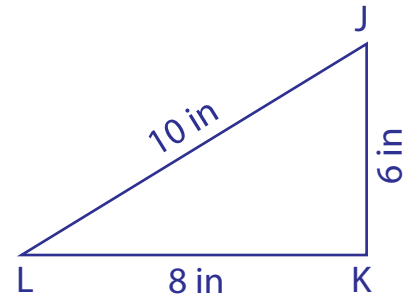
Apply the Pythagorean theorem. Find whether each triangle has a right angle.

1)



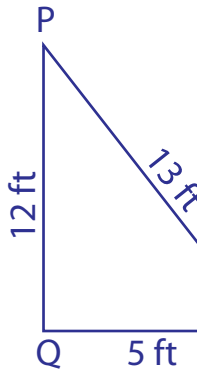
not a right triangle

2)



right triangle

3)



right triangle

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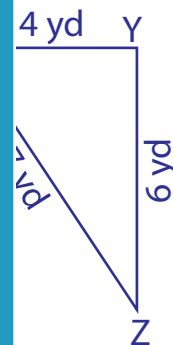
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right triangle

5) In triangle ABC, the sides AB and BC measure 24 yd and 26 yd respectively. Prove that ABC is a right triangle.

$$AB^2 = 576 \text{ yd}^2, BC^2 = 676 \text{ yd}^2$$

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

**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.

$$EF^2 = 225 \text{ ft}^2, FG^2 = 289 \text{ ft}^2, EG^2 = 64 \text{ ft}^2$$

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

**EFG is a right triangle.**