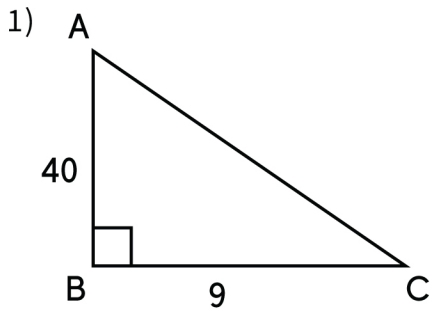
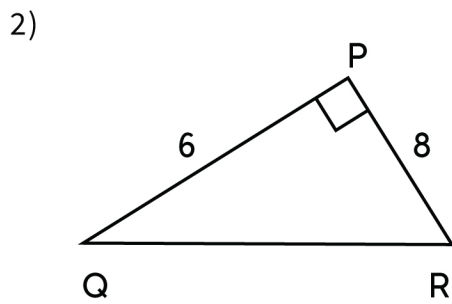


Pythagorean Theorem - Worksheet

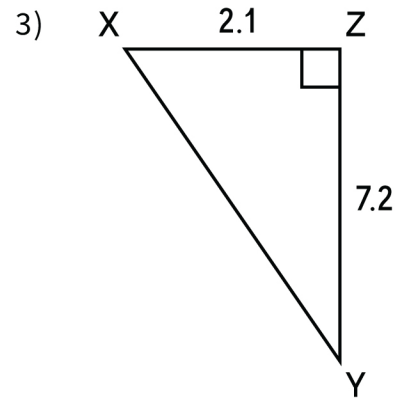
Calculate the missing leg in the given right triangles.



AC = _____



QR = _____



XY = _____

Do the following lengths form a right triangle?

4) $a = 6, b = 14.83, c = 16$

5) $a = 10, b = 3, c = 10.44$

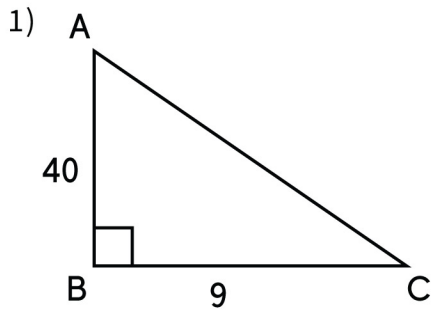
6) $a = 10, b = 10, c = 14.14$

7) $a = 6.5, b = 7.5, c = 8.2$

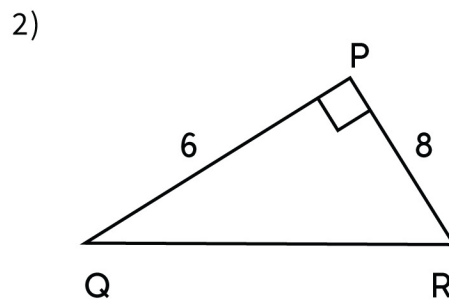
8) Peter bought a rug for his apartment. The rug is 11 feet long and 9 feet wide. Find the diagonal length of the rug.

Pythagorean Theorem - Worksheet

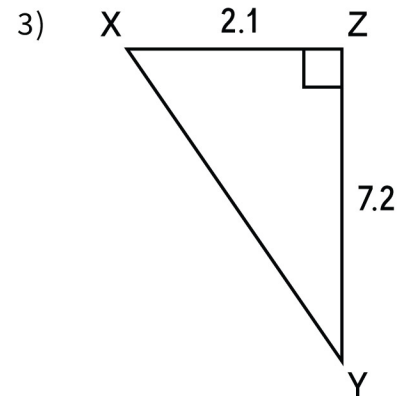
Answers



AC = 41



QR = 10



XY = 7.5

4) $a = 6, b = 14.83, c = 16$

Yes

5) $a = 10, b = 3, c = 10.44$

Yes

6) $a = 10, b = 10, c = 14.14$

Yes

7) $a = 6.5, b = 7.5, c = 8.2$

No

8) Peter bought a rug for his apartment. The rug is 11 feet long and 9 feet wide. Find the diagonal length of the rug.

14.2 feet