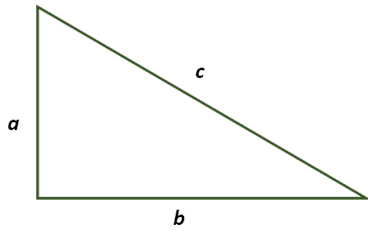


Working with Pythagoras


This task is about using Pythagoras' theorem to decide whether triangles are right-angled.



Pythagoras' Theorem:

$$a^2 + b^2 = c^2$$

Select *Yes* if the triangles listed below are right-angled triangles.
Select *No* if they are not right-angled triangles.

|  | Length of the triangle's sides | Is it right-angled? |
|---|--------------------------------|---------------------|
| a) | 2 3 4 | <i>Yes/ No</i> |
| b) | 5 7 12 | <i>Yes/ No</i> |
| c) | 8 15 17 | <i>Yes/ No</i> |
| d) | 9 18 27 | <i>Yes/ No</i> |
| e) | 12 16 20 | <i>Yes/ No</i> |
| f) | 30 40 50 | <i>Yes/ No</i> |

Published on <https://newzealandcurriculum.tahurangi.education.govt.nz>