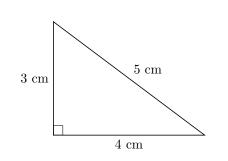
PYTHAGOREAN THEOREM

A RIGHT-ANGLED TRIANGLE

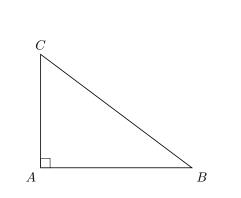
A.1 CALCULATING SQUARED SIDE LENGTHS



Ex 2:

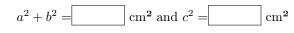


Find the length of the hypotenuse.

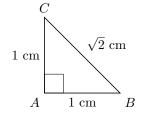


cm

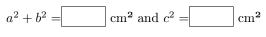
Let a be the length of one leg, b the length of the other leg, and c the length of the hypotenuse. Calculate $a^2 + b^2$ and c^2 .



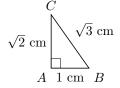
Ex 3:



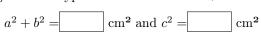
Let a be the length of one leg, b the length of the other leg, and c the length of the hypotenuse. Calculate $a^2 + b^2$ and c^2 .



Ex 4:

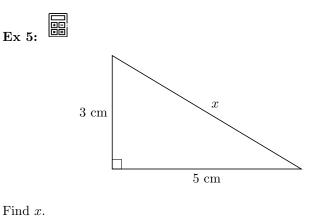


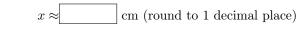
Let a be the length of one leg, b the length of the other leg, and c the length of the hypotenuse. Calculate $a^2 + b^2$ and c^2 .

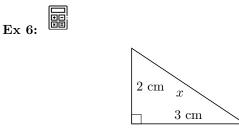


B PYTHAGOREAN THEOREM

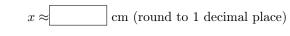
B.1 FINDING THE LENGTH OF THE HYPOTENUSE



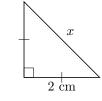




Find x.



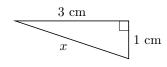




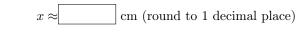
Find x.



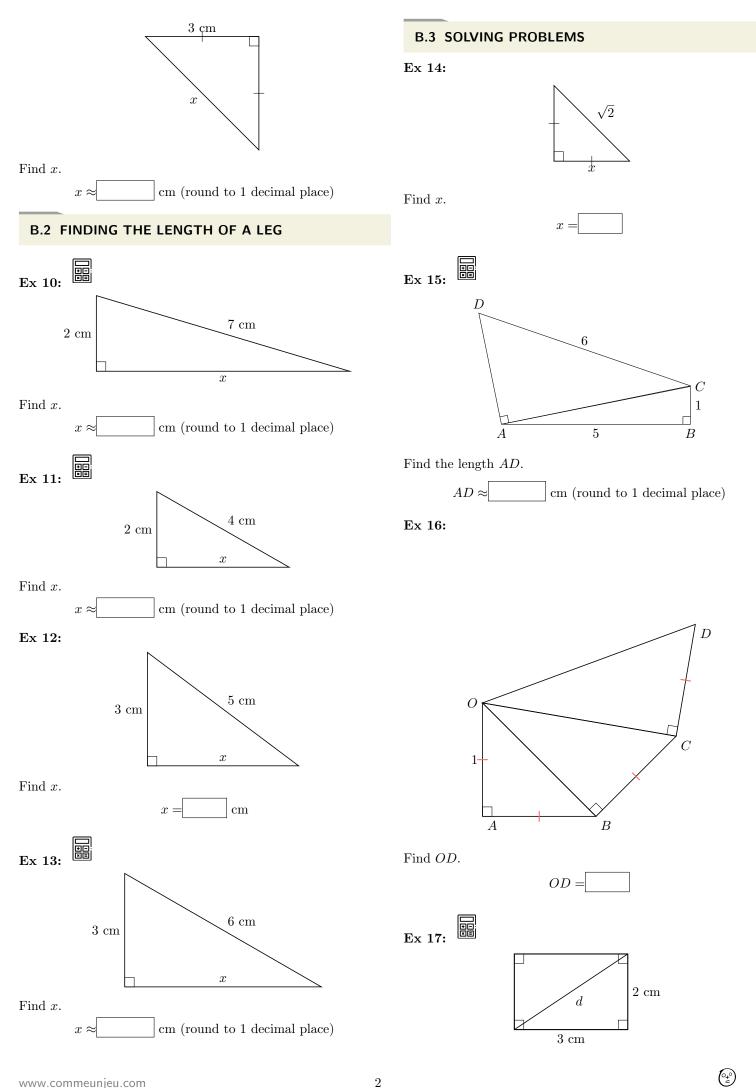


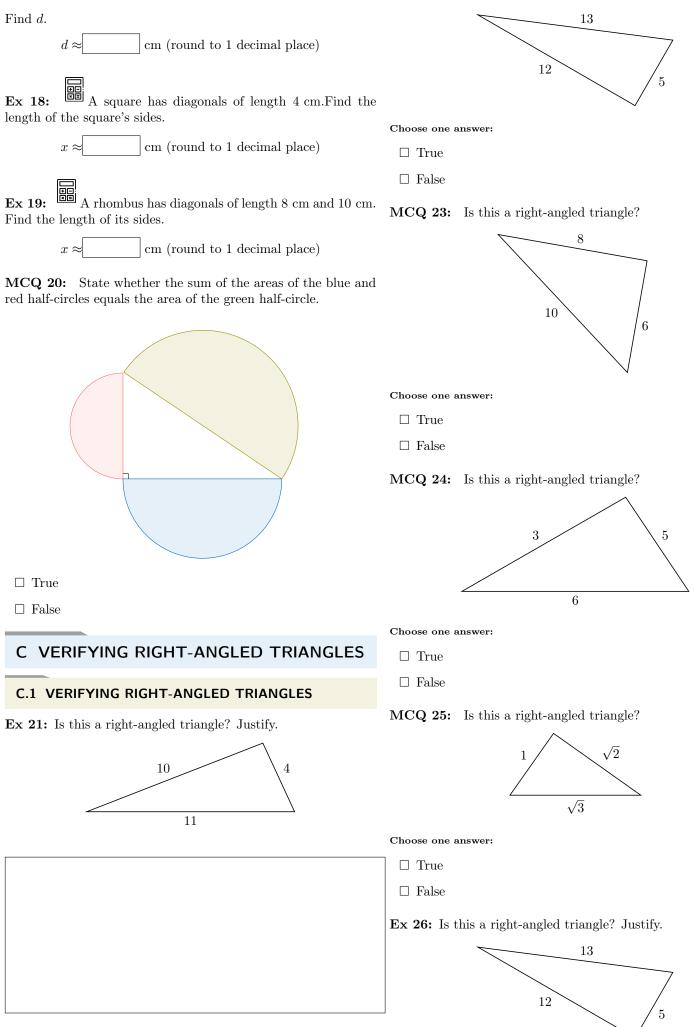


Find x.





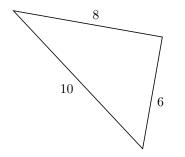




MCQ 22: Is this a right-angled triangle?

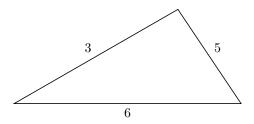
(+)

 $\mathbf{Ex}~\mathbf{27:}$ Is this a right-angled triangle? Justify.





 $\mathbf{Ex}~\mathbf{28:}$ Is this a right-angled triangle? Justify.





 $\mathbf{Ex}~\mathbf{29:}$ Is this a right-angled triangle? Justify.

