

2.3: Pythagoras theorem and it's applications.

Pythagoras theorem practice:

To find a hypotenuse

1.

$c^2 =$	
$c^2 =$	
$c = \sqrt{\quad}$	
$c =$	

2.

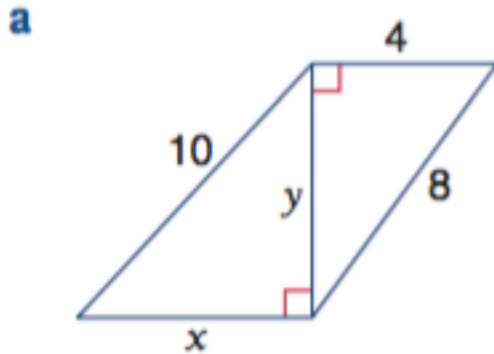
Finding a leg

3.

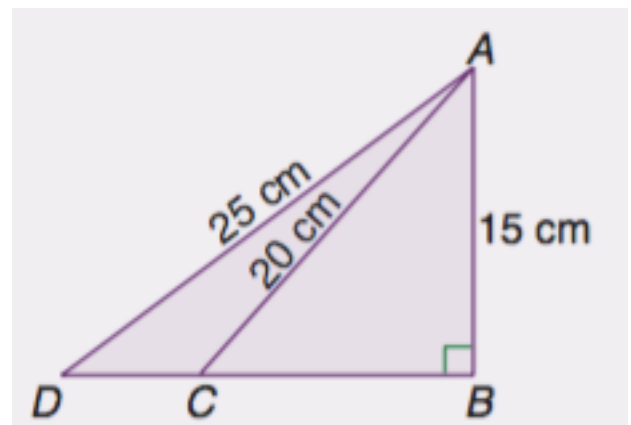
4.

Application

1.



2.

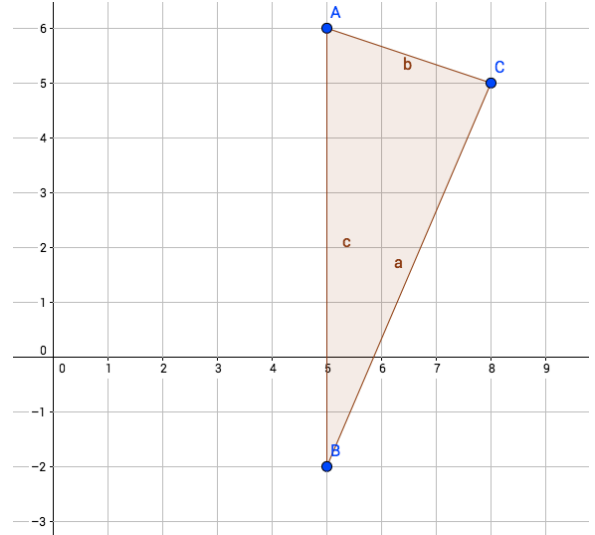


### 2.3: Pythagoras theorem and it's applications.

#### Triangle proof practice

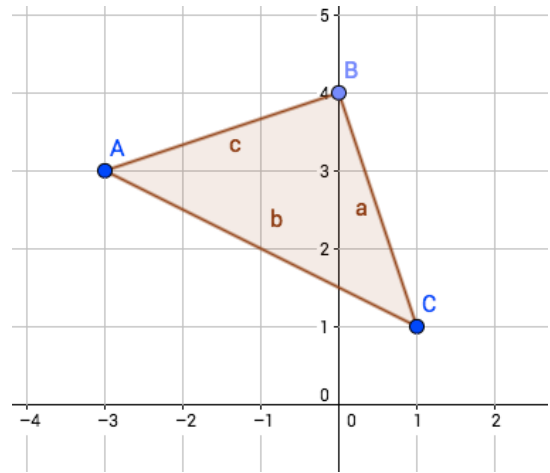
1) Determine if triangle ACB is a right triangle

- a) Using perimeter (Pythagoras theorem)
- b) Using slope (perpendicular slopes)



2)

- a) Prove the following triangle is isosceles
- b) is it also a right triangle?



- 3) A) Determine what type of triangle is graphed below (showing proof)
- b) Prove triangle EDF is not a right triangle.

