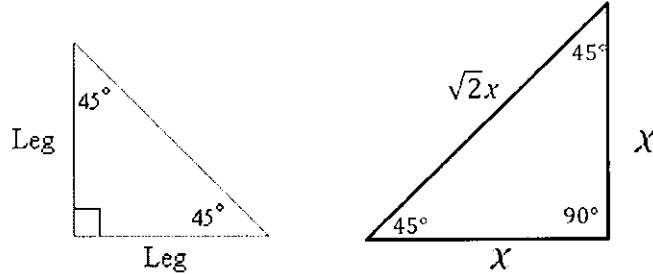
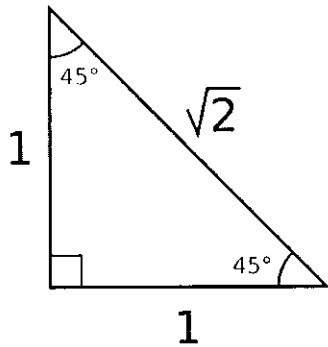


45°- 45°- 90° Special Right Triangles

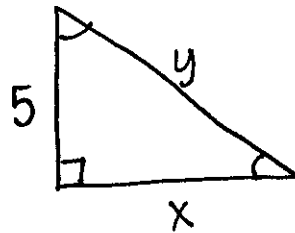
*is an isosceles triangle



It's all about ratios and proportions!

45°: 45°: 90°
 1 : 1 : $\sqrt{2}$ or
 x : x : $x\sqrt{2}$

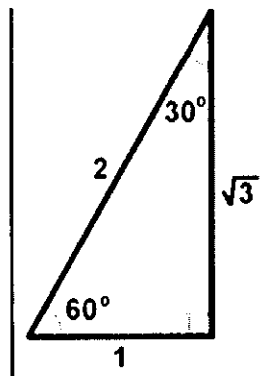
EX:



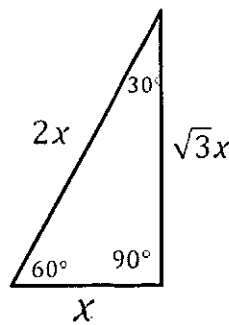
x = _____

y = _____

30°- 60°- 90° Special Right Triangles



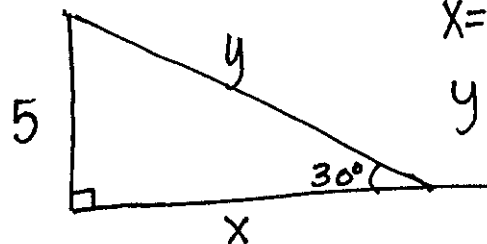
OR



It's all about ratios and proportions!

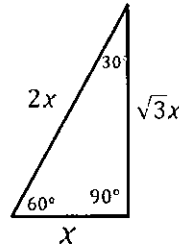
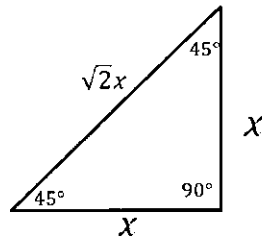
30°: 60°: 90°
 1 : $\sqrt{3}$: 2
 or
 x : $x\sqrt{3}$: 2x

EX:

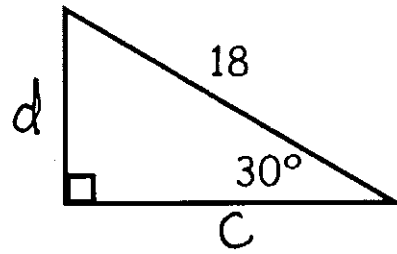
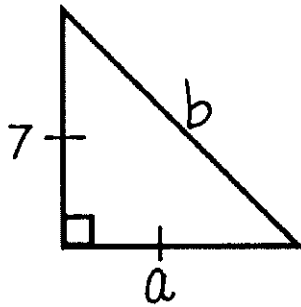


x = _____

y = _____



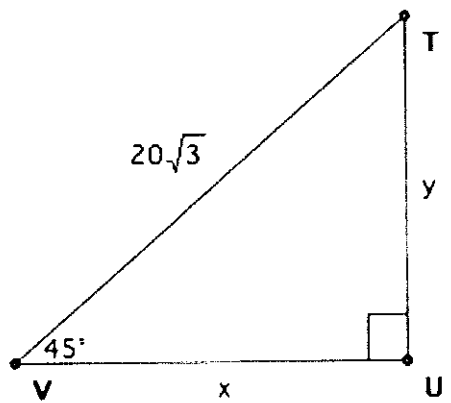
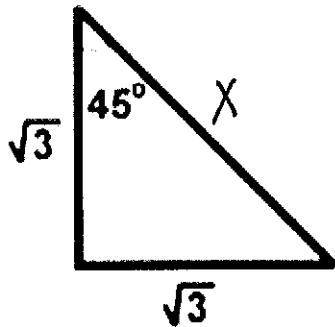
Try these:



$a = \underline{\hspace{2cm}}$
 $b = \underline{\hspace{2cm}}$

$c = \underline{\hspace{2cm}}$
 $d = \underline{\hspace{2cm}}$

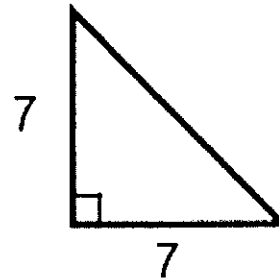
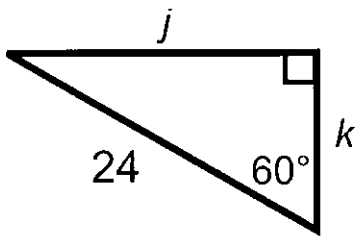
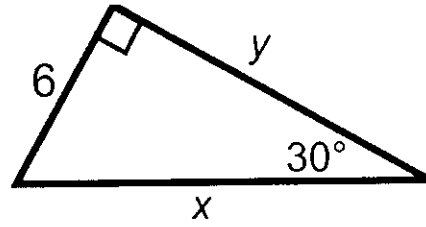
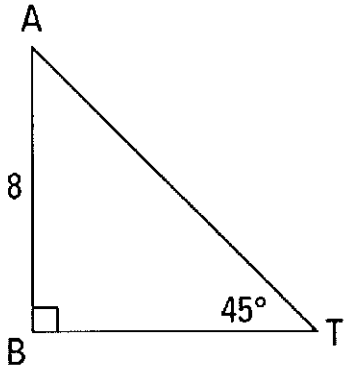
What about these? Look closely.



$X = \underline{\hspace{2cm}}$

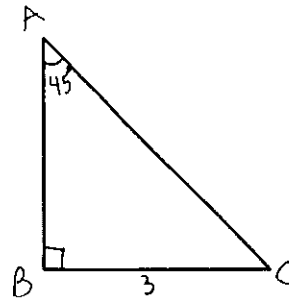
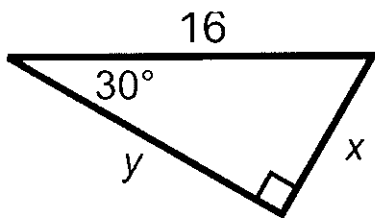
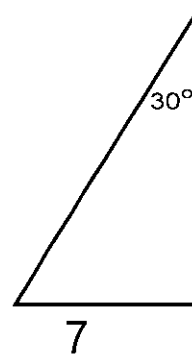
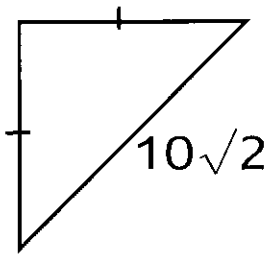
$x = \underline{\hspace{2cm}}$
 $y = \underline{\hspace{2cm}}$

Try a few more....



May 26-11:19 AM

Keep going..... a few more....

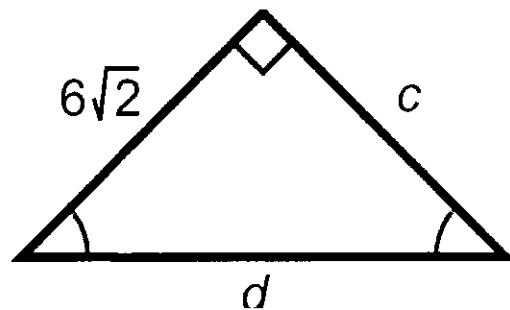
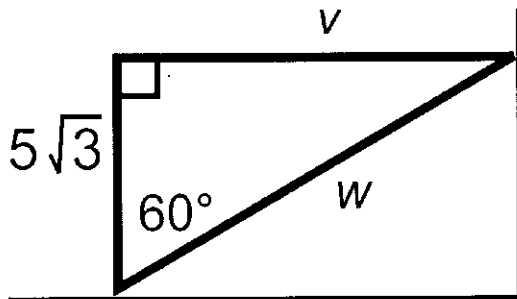
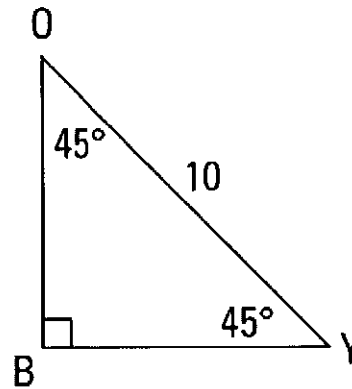
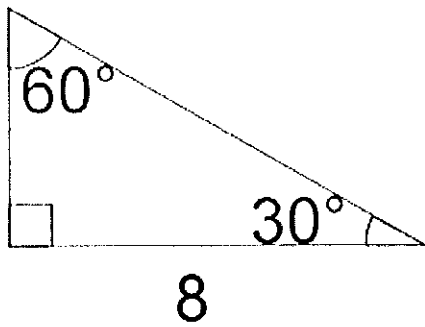
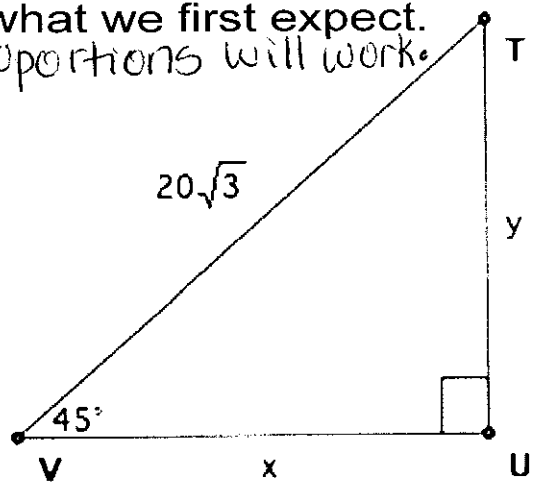
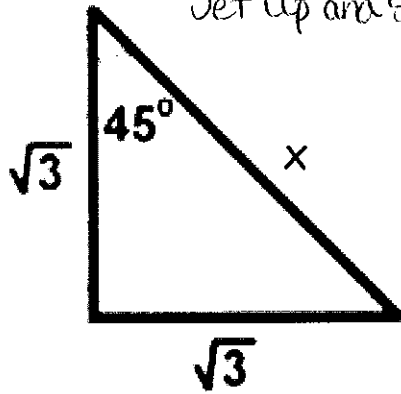


May 26-11:24 AM

What about these? Look closely.

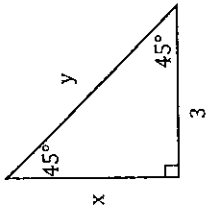
The sides don't match up to what we first expect.

Set up and solve Proportions will work.

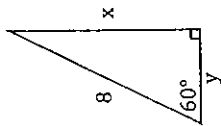


Label each special right triangle, and find the missing sides.

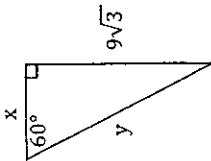
1.



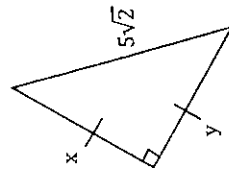
3.



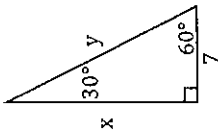
5.



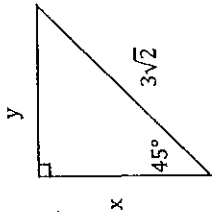
7.



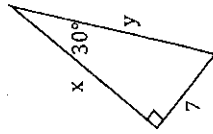
2.



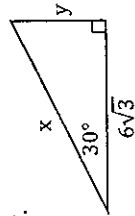
4.



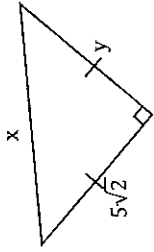
6.



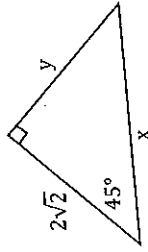
8.



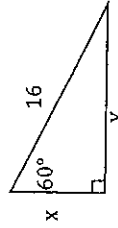
9.



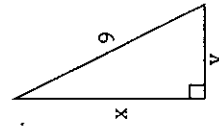
11.



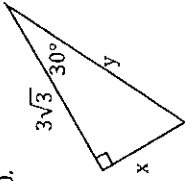
13.



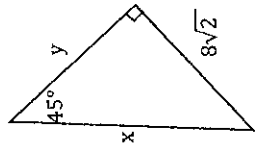
15.



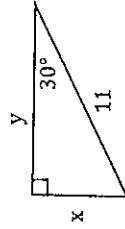
10.



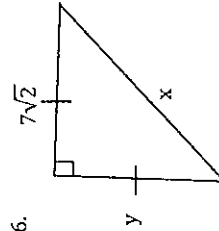
12.



14.



16.

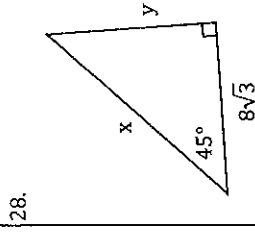
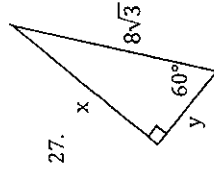
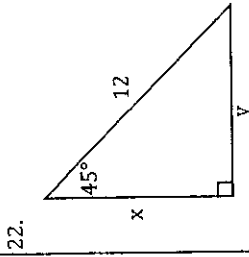
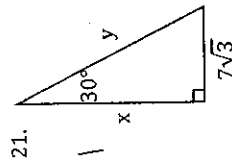
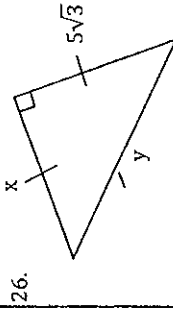
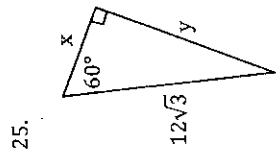
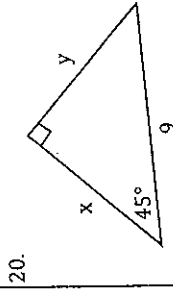
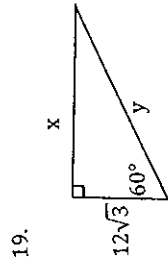
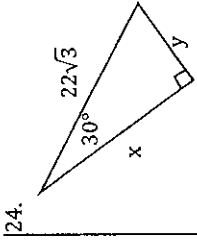
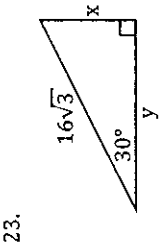
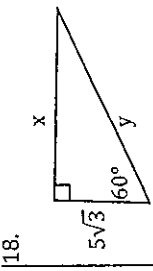
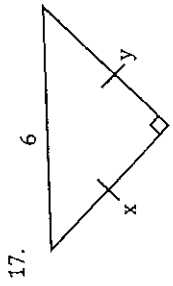


Bubble all the correct answers from above. Don't bubble incorrect answers.

- 9.18 6.12 $7\sqrt{5}$ $5\sqrt{2}$ $3\sqrt{2}$ 3.3 9.18 5.13 5.13 3.3 3.3 5.5 5.5 4.4 4.4

Bubble all the correct answers from above. Don't bubble incorrect answers.

- 7√2 14.7√2 8.8√3 16.8√2 2√3 3.6 3√2 4.2√3 4.2√3 10.3√3 9.9√3 3.6 3.6 5.5 5.5 4.5 4.5



Bubble all the correct answers from above. Don't bubble incorrect answers.

- 15, 10√3
 12√2, 12√2
 21, 7√3
 6√2, 6√2
 7√3, 21√3
 36, 24√3
 9√2, 9√2
 9/2, 9/2
 9/√2, 9/√2
 9/2, 9/2

Bubble all the correct answers from above. Don't bubble incorrect answers.

- 8√3, 24
 33, 11√3
 5√3, 5√6
 8√3, 8
 12, 4√3
 6√3, 18
 8√3, 8√6
 8√3, 8√2
 12, 24