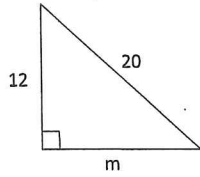


Combo Day

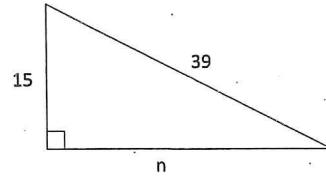
Name Key Period \_\_\_\_\_

Choose the best method, and then solve for the indicated values. Leave answers in simplified radical form.

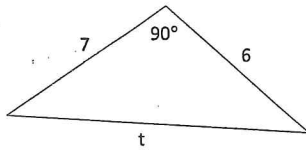
1.  $m = \underline{16}$



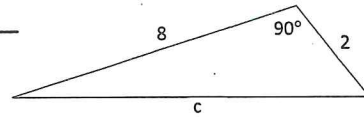
2.  $n = \underline{36}$



3.  $t = \underline{\sqrt{85}}$

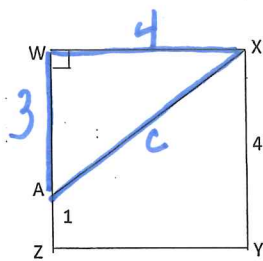


4.  $c = \underline{2\sqrt{17}}$

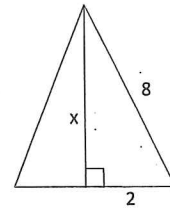


5.  $AX = \underline{5}$

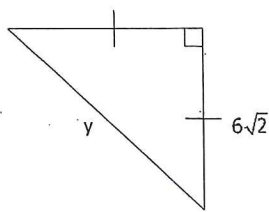
square WXYZ



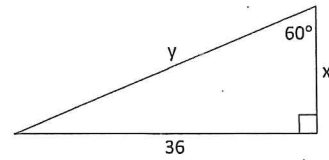
6.  $x = \underline{2\sqrt{15}}$



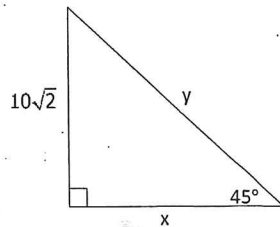
7.  $y = \underline{12}$



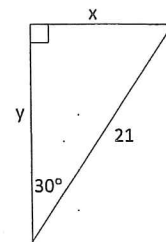
8.  $x = \underline{12\sqrt{3}}$   
 $y = \underline{24\sqrt{3}}$



9.  $x = \underline{10\sqrt{2}}$   
 $y = \underline{20}$



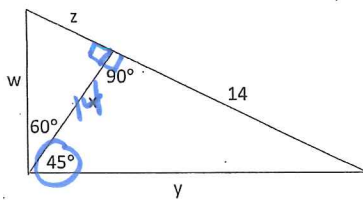
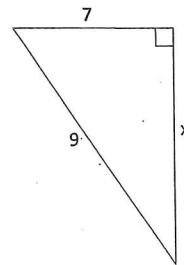
10.  $x = \underline{10.5}$   
 $y = \underline{10.5\sqrt{3}}$



11.  $w = \underline{28}$   
 $y = \underline{14\sqrt{2}}$

$x = \underline{14}$   
 $z = \underline{14\sqrt{3}}$

12.  $x = \underline{4\sqrt{2}}$



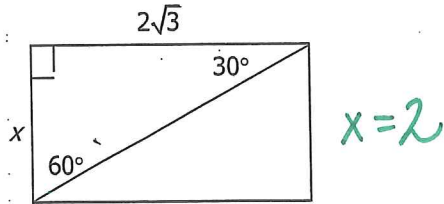
13. A square has a diagonal of length 8 cm. Find the length of each side.

$$\underline{4\sqrt{2}\text{ cm}}$$

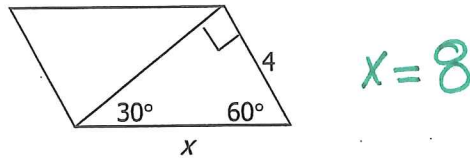
14. An equilateral triangle has sides of length 14 cm. Find the length of the altitude

$$\underline{7\sqrt{3}\text{ cm}}$$

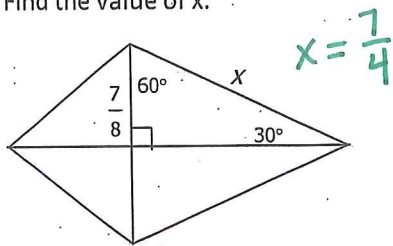
15. Find the value of x.



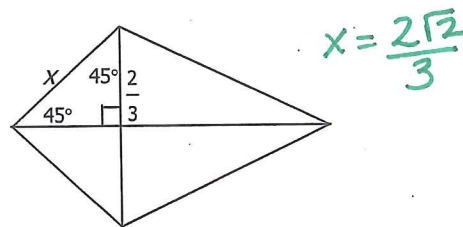
16. Find the value of x.



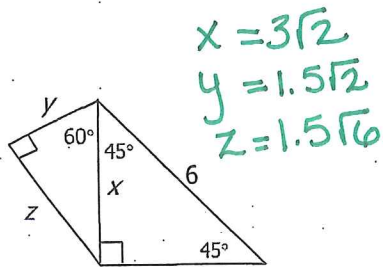
17. Find the value of x.



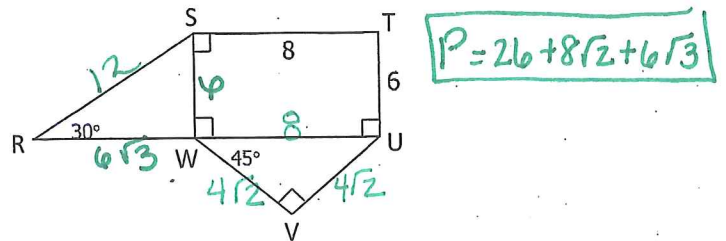
18. Find the value of x.



19. Find the value of x, y and z.

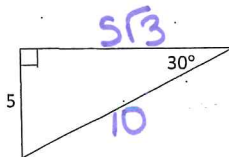


20. Find the missing side lengths of hexagon RSTUVW. Find the perimeter.

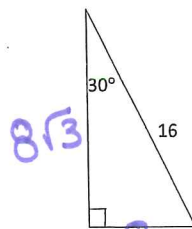


Find the missing lengths for each triangle below.

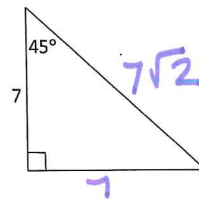
1)



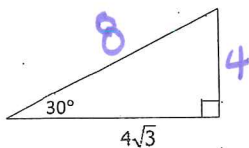
2)



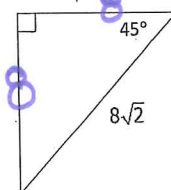
3)



4)



5)



6)

