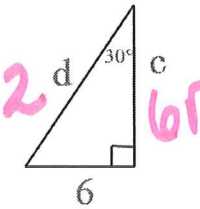
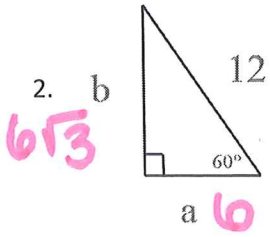
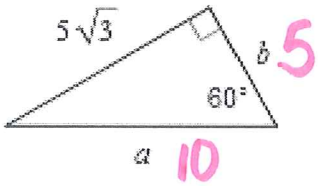
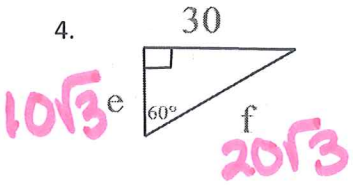
Key

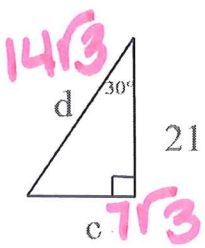
ACC Geometry
8.3 Practice Examples
Special Right Triangles

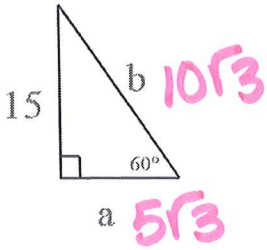
1. 

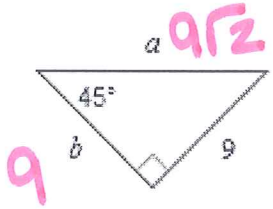
2. 

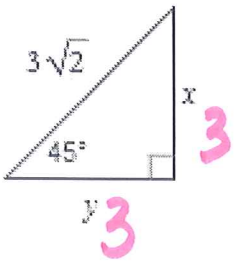
3. 

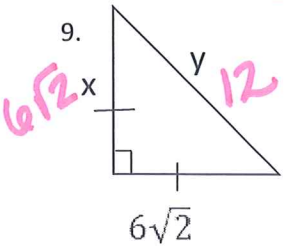
4. 

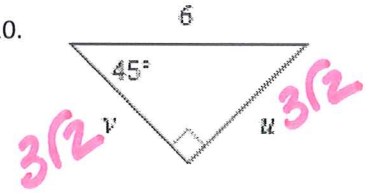
5. 

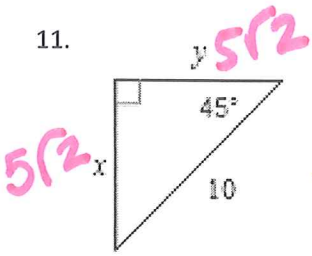
6. 

7. 

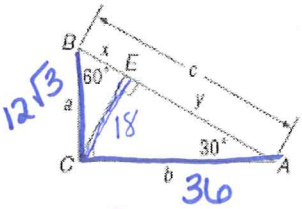
8. 

9. 

10. 

11. 

12. If $a=12\sqrt{3}$, find the missing variables.

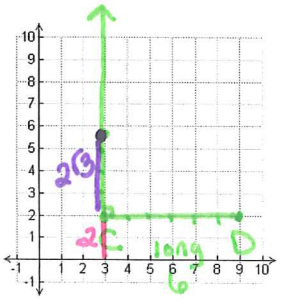


$a = 12\sqrt{3}$
$b = 36$
$c = 24\sqrt{3}$
$x = 6\sqrt{3}$
$y = 18\sqrt{3}$

13. a. Triangle PCD is a 30-60-90, with <C=90. CD is the long leg with endpoints C(3,2) and D(9,2). Find Point P in Quadrant I.

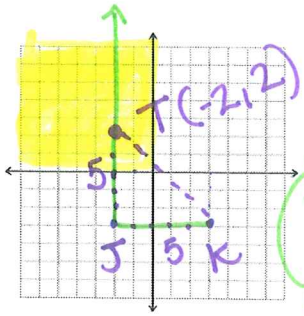
short = $2\sqrt{3} \approx 3.464$

$P(3, 2+2\sqrt{3})$



b. Triangle TJK is a 45-45-90 Triangle with right angle j. Find the coordinates of T in Quadrant II for J(-2,-3) and K(3,-3)

$T(-2, 2)$



Do This 1st!