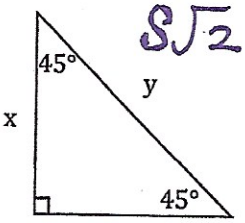
Ch 8.3 Name: Hints. Class: _____

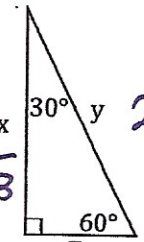
Label each special right triangle, and find the missing sides.

1.



$s\sqrt{2}$ $s=3$ $x=s=\boxed{3}$ $y=s\sqrt{2}=\boxed{3\sqrt{2}}$

2.

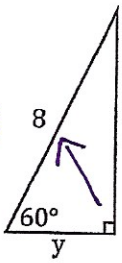


$2s$ $s\sqrt{3}$ s

$s=7$ $y=2s=2\cdot7=\boxed{14}$ $x=s\sqrt{3}=\boxed{7\sqrt{3}}$

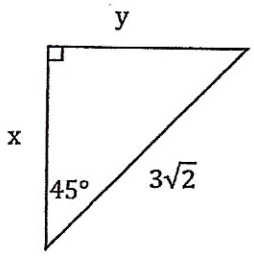
$7, \sqrt{3}, 14$

3.

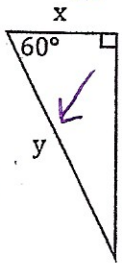


$2s$ $s\sqrt{3}$ s

4.

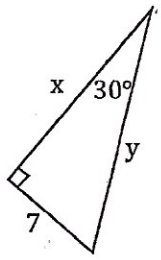


5. s

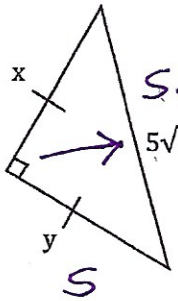


$s\sqrt{3}$ $2s$

6.

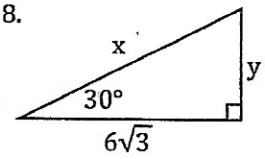


7.



s $s\sqrt{2}$ s

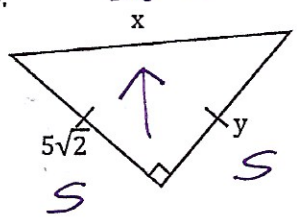
8.



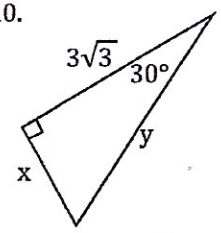
Bubble all the correct answers from above. Don't bubble incorrect answers. x, y

○ 9,18 ○ 6,12 ● $7\sqrt{3},14$ ○ $5\sqrt{2},5$ ○ $3\sqrt{2},3$ ○ 6,16 ○ 5,13 ○ 9,18 ○ 3,3 ○ $3,3\sqrt{3}$ ○ $3,3\sqrt{2}$ ○ 5,5 ○ 6,6 ○ $4,4\sqrt{3}$

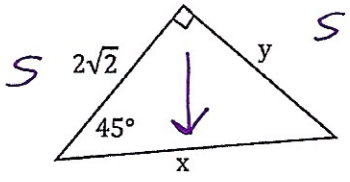
9. $5\sqrt{2}$



10.

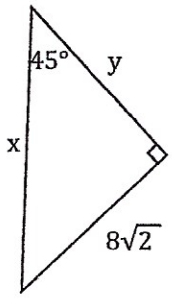


11.

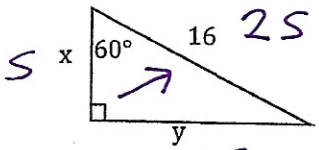


$5\sqrt{2}$

12.

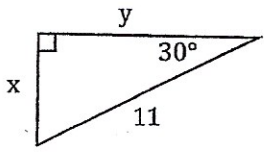


13.

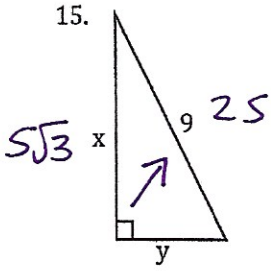


$5\sqrt{3}$

14.

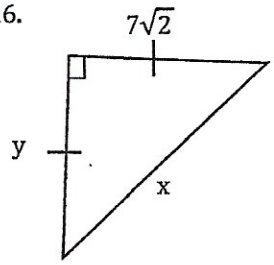


15.



5

16.



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

○ $7\sqrt{2}$,7 ○ 14,$7\sqrt{2}$ ○ 8,$8\sqrt{3}$ ○ 16,$8\sqrt{2}$ ○ $2\sqrt{3}$,6 ○ $3\sqrt{2}$,6 ○ 4,$2\sqrt{3}$ ○ 4,$2\sqrt{2}$ ○ 10,$3\sqrt{2}$ ○ 10,$3\sqrt{3}$ ○ 9,$9\sqrt{3}$ ○ 3,6 ○ 5.5, $5.5\sqrt{3}$ ○ 4.5,$4.5\sqrt{3}$