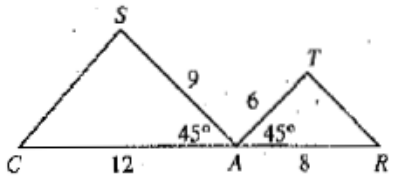
Geometry Tuneup 11B Name_____

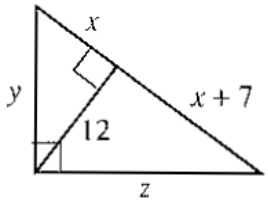
Per_____ Col._____

SHOW WORK! Give answers in simplest form, unless directed otherwise.

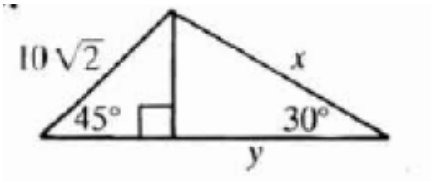
1. Name two similar triangles and the theorem or postulate that justifies your answer.



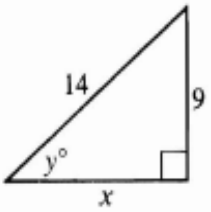
2. Find $x, y,$ and z



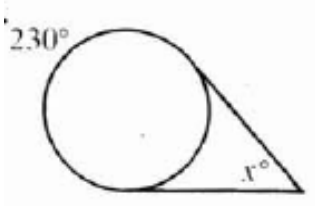
3. Find the exact values of x and y



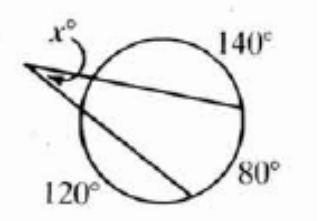
4. Find x and y. Give answers to the nearest tenth.



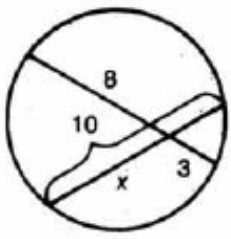
5. Find x



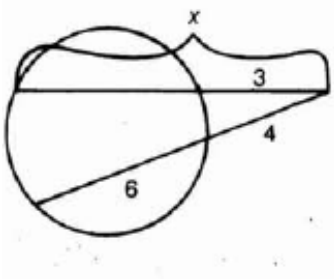
6. Find x



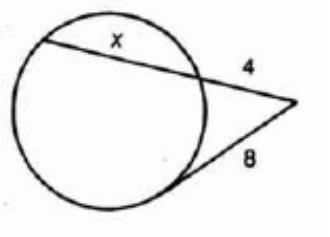
7. Find *x*.



8. Find *x*.

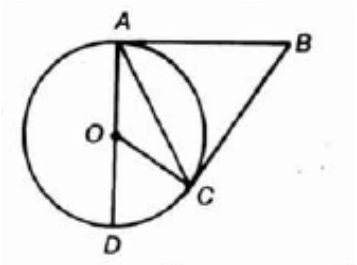


9. Find x.



10. $AB = 5$ and $m\overset{\frown}{AC} = 110$,

in circle O



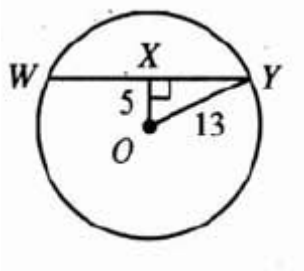
Find m∠DOC

m∠DAC

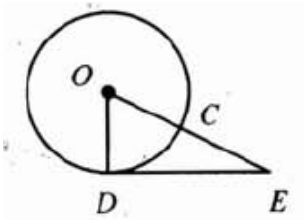
m ADC

BC

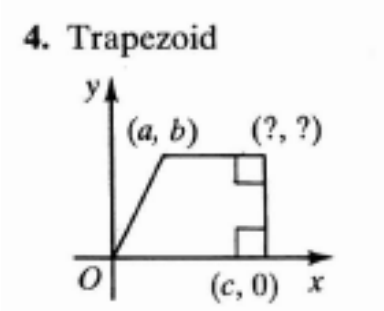
11. Find WY in circle O.



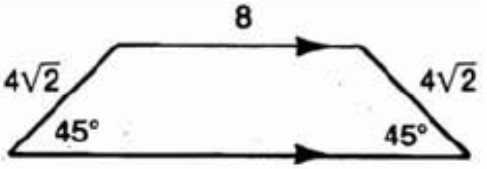
12. DO = 4, OE = 8. Find DE in circle O.



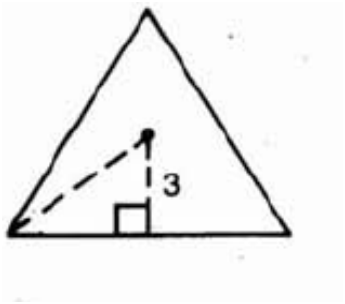
13. Supply the missing coordinates without using any new variables.



14. Find the area.



15. Find the area of the equilateral triangle.



16. Find x and y.