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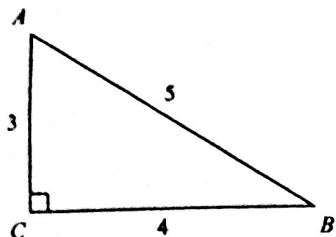
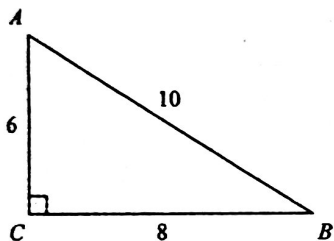
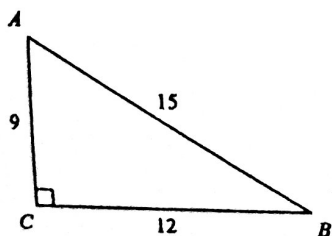
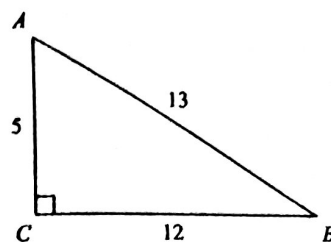
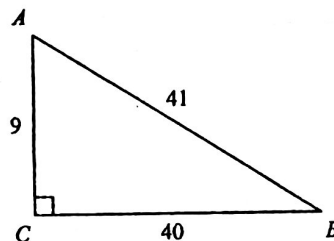
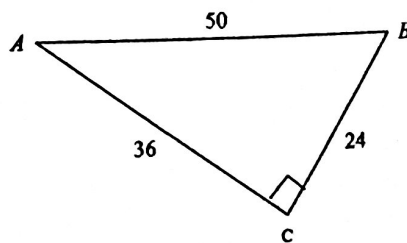
Period _____

Date _____

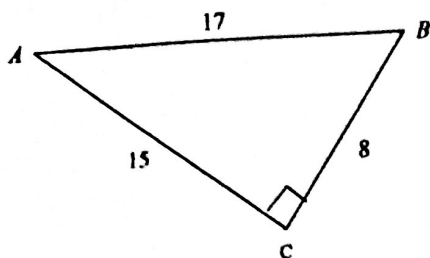
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6.5 Trigonometry and Pythagorean

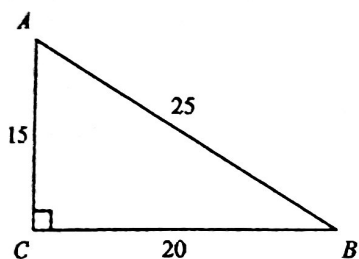
Assn# _____

1. What is $\tan A$?2. What is $\tan B$?3. What is $\sin B$?4. What is $\cos A$?5. What is $\tan B$?6. Find $\sin A$ and $\sin B$.

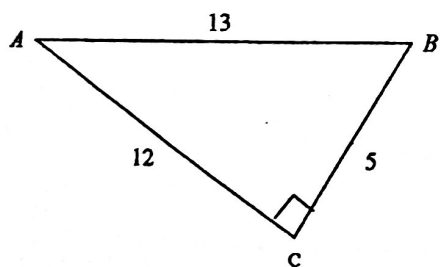
7. Find $\cos A$ and $\cos B$.



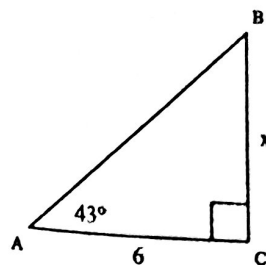
8. What is $\tan A$?



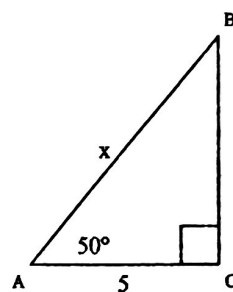
9. Find $\tan A$ and $\tan B$.



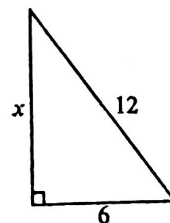
10. Find $\tan 43^\circ$



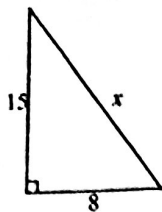
11. Find $\cos 50^\circ$



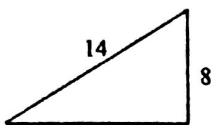
12. Use Pythagorean Theorem to solve for x .



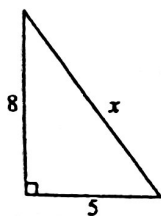
13. Solve for
- x
- .



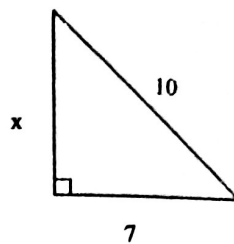
14. Find the length of the missing side of the right triangle.



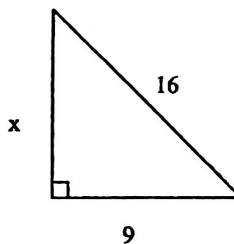
15. Solve for
- x
- .



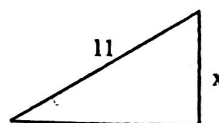
16. Find
- x



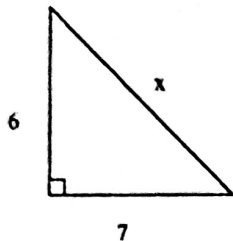
17. Find
- x



18. Given a right triangle. Find the length of the missing side.

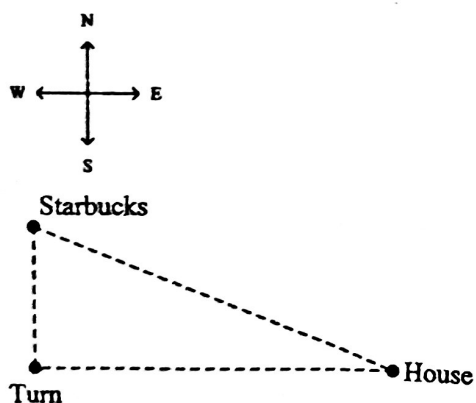


19. Find
- x



20. A student leaves his house to go to Starbucks. He walks 9 blocks west and 4 blocks north.

- a) Label the side lengths on the diagram below.
- b) How far is he from his house?
Simplify all radicals.



21. A right triangle's hypotenuse has a length of 11 cm. If one leg has length 7 cm, what is the length of the other leg (
- x
-)?

Draw a triangle and label all the side lengths, then solve for x .

22. A lonely dog leaves his home to find a friend. If he walks 5 blocks north and 7 blocks east, how far is he from his home?

