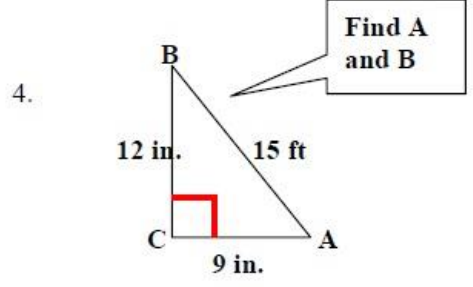
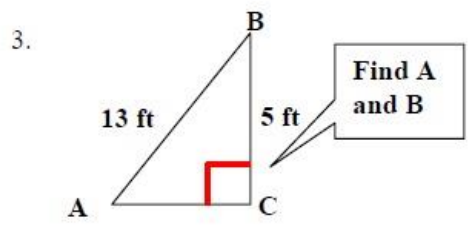
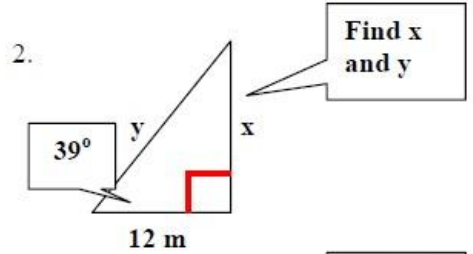
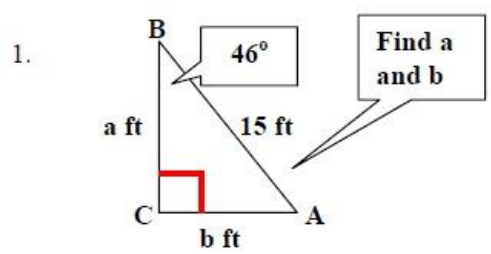


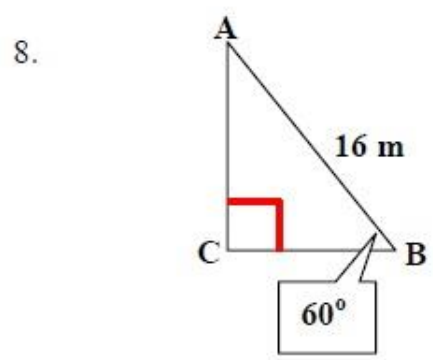
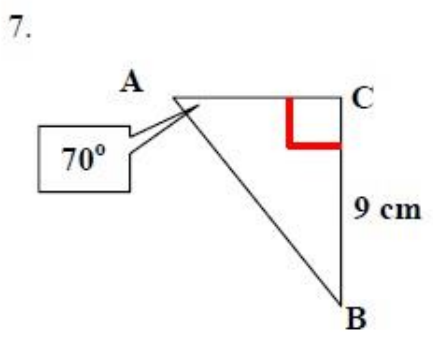
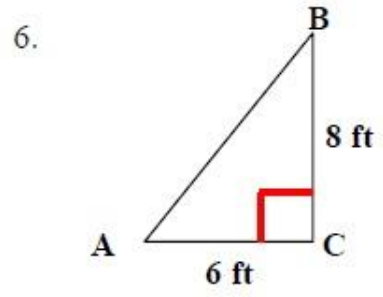
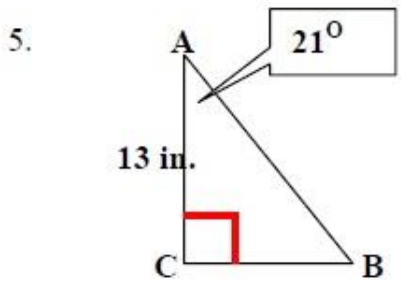
Name: _____
 Date: _____
 Class: _____

Solving Right Triangles Using Trigonometry Activity Sheet

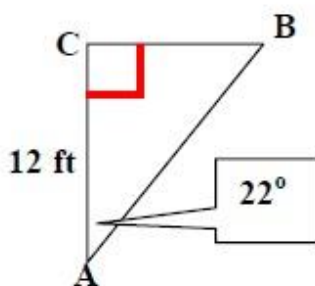
State which trigonometric ratios you would use to find the missing measures in each triangle.



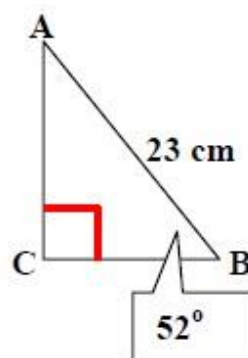
Solve Each Triangle. (When using trigonometric functions, approximate values to 4 decimal places and approximate degree measure to nearest whole degree).



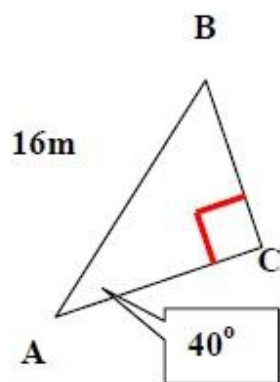
9.



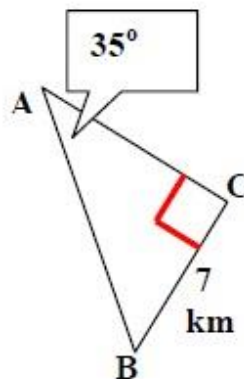
10.



11.



12.



Draw and label, and then solve each right triangle ($\angle C$ is a right angle).

13. Angle A = 31° , $a = 6\text{ m}$

14. $a = 6\text{ in.}$, $c = 10\text{ in.}$

15. Angle B = 42° , $c = 10\text{ in.}$

16. $b = 5\text{ ft.}$, $a = 4\text{ ft}$

17. $c = 14\text{ ft.}$, $b = 11\text{ ft}$

18. $c = 11\text{ m.}$, $b = 6\text{ m}$

19. Angle B = 40° , $b = 6\text{ cm}$

20. Angle B = 28° , $a = 16\text{ cm}$

21. Angle A = 45° , $c = \sqrt{2}\text{ ft}$

22. Angle A = 75° , $b = 3\text{ km}$