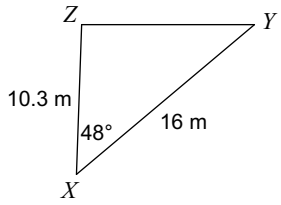
Math 3 H Name_____ ID: 1

Unit 5 Review

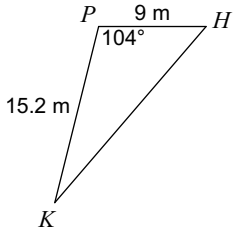
Date_____ Period____

Find the area of each triangle to the nearest tenth.

1)



2)



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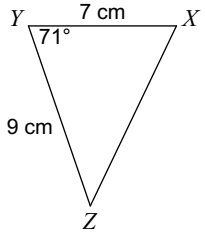

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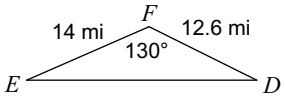
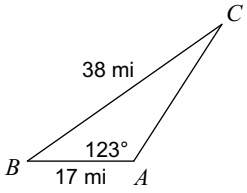
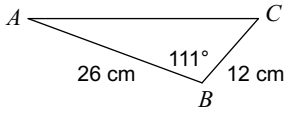


Find each measurement indicated. Round your answers to the nearest tenth.

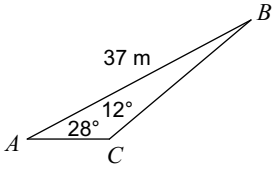
5) Find $m\angle C$



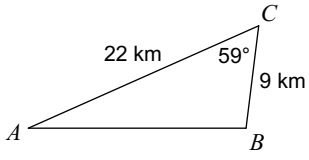
6) Find $m\angle C$



7) Find AC



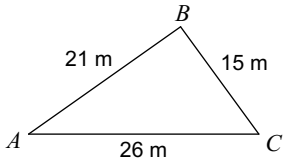
8) Find AB



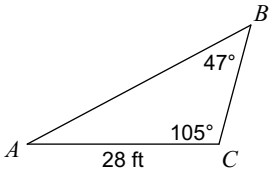
Solve each triangle. Round your answers to the nearest tenth.

9) $m\angle A = 17°$, $c = 34$ yd, $a = 11$ yd

10)



11)



12) $b = 16$ in, $a = 29$ in, $c = 25$ in

13) Juan and Romella are standing at the seashore 10 miles apart. Both can see the same ship in the water. Juan's angle to the ship is 35 degrees. Romella's angle to the ship is 45 degrees. How far is the ship from Juan?

14) Jack is on one side of a 200 foot-wide canyon and Jill is on the other. Jack and Jill can both see the trail guide at an angle of depression of 60 degress. How far are they from the trail guide?

15) Tom, Dick and Harry are camping in their tents. If the distance between Tom and Dick is 153 feet, the distance between Tom and Harry is 201 feet and the distance between Dick and Harry is 175 feet, what is the angle between Dick, Harry and Tom? (Round to 2 decimal places)