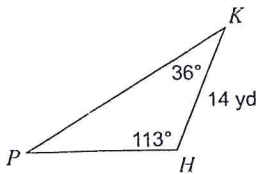


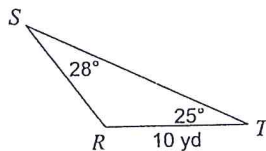
Law of Sines / Cosines

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

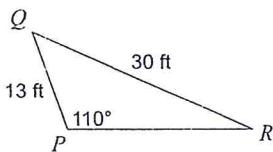
1.



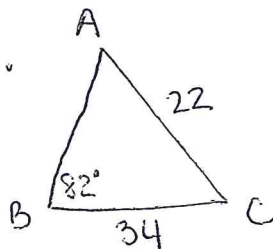
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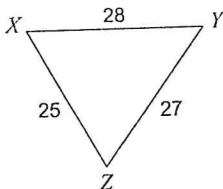
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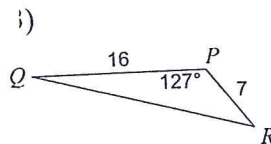
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5.

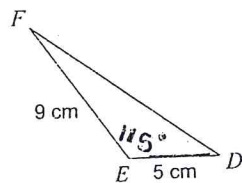


6.

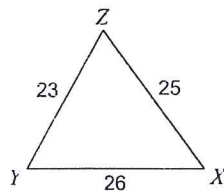


Find the area of each triangle to the nearest tenth.

7.)



8.)



9. Flying with the wind a plane went 183 km/h. Flying into the same wind the plane only went 141 km/h. Find the speed of the plane in still air and the speed of the wind.

10. Castel and Gabriella are selling pies for a school fundraiser. Customers can buy apple pies and lemon meringue pies. Castel sold 6 apple pies and 4 lemon meringue pies for a total of \$80. Gabriella sold 6 apple pies and 5 lemon meringue pies for a total of \$94. What is the cost each of one apple pie and one lemon meringue pie?