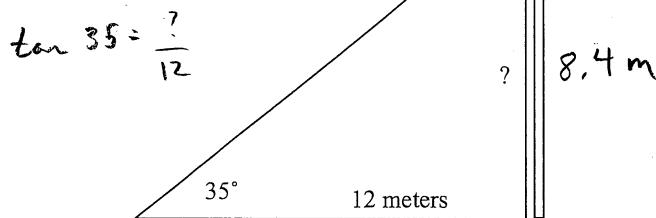


Free Particle Model

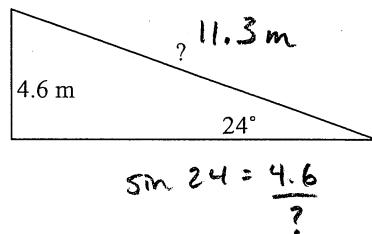
Trigonometry Practice Problems

Find the magnitude of the side or the angle indicated with a “?” for each of the following triangles:

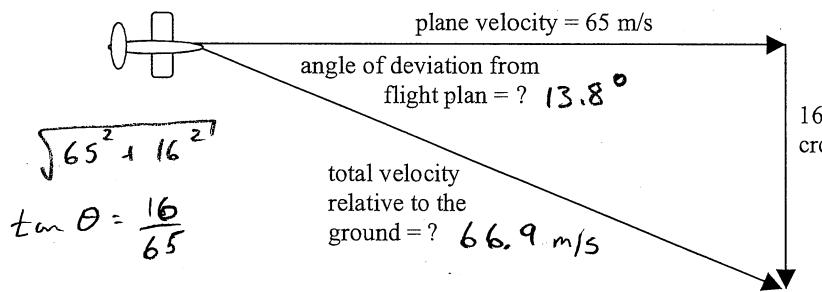
1.



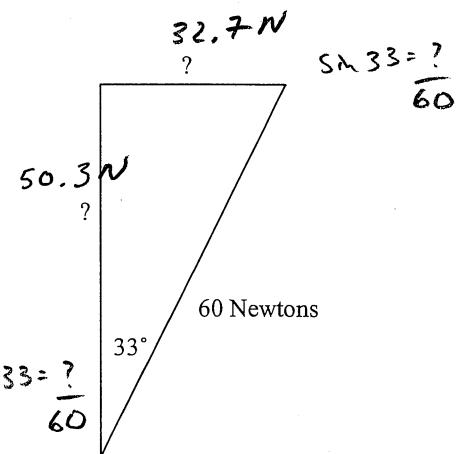
2.



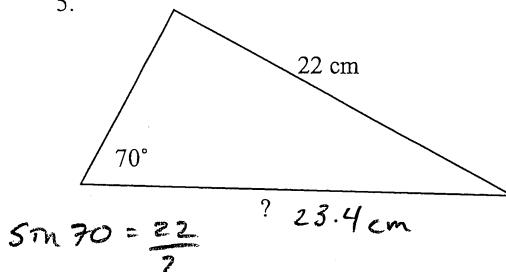
3.



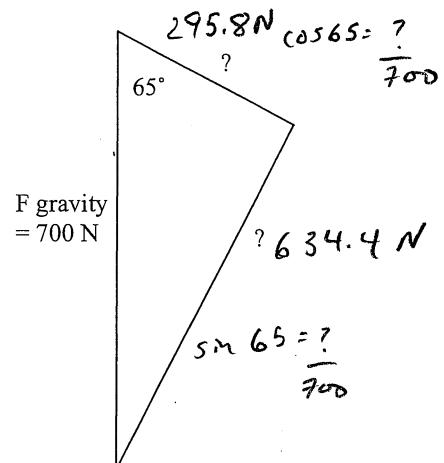
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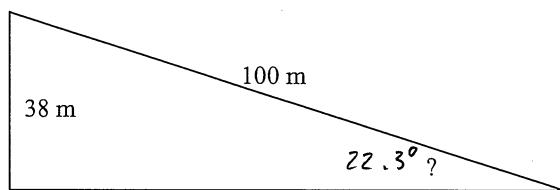
5.

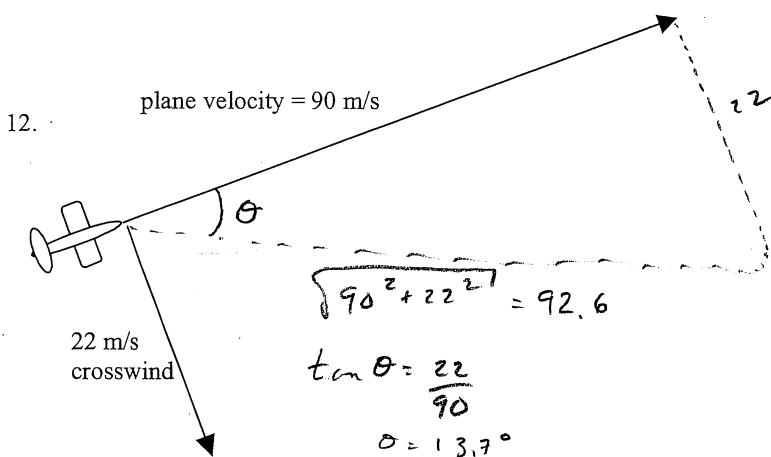
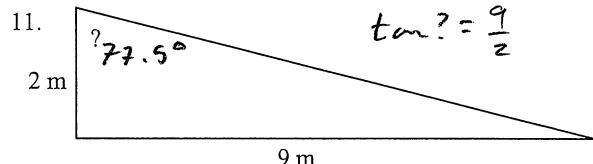
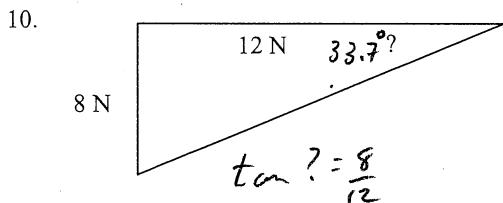
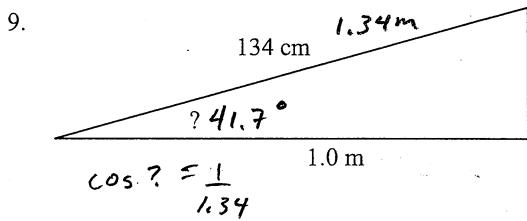
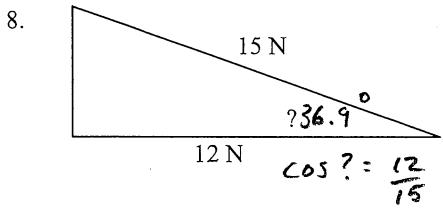


6.



7.





total velocity
relative to the
ground = ? 92.6 m/s

angle of deviation from
flight plan = ? 13.7°

