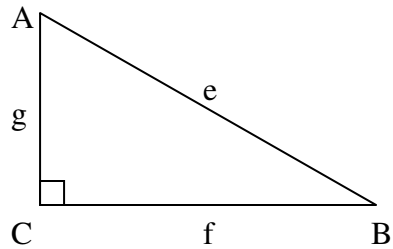


(5-7) For triangle ABC below, express the given trigonometric ratio in terms of e, f, and g.

5. $\sin B$

6. $\cot A$

7. $\cos B$



5. _____

6. _____

7. _____

8. Describe when to use the Law of Sines include a drawing to demonstrate your point.

9. Describe when to use the Law of Cosines include a drawing to demonstrate your point.

10. The angle of elevation from your eyes to the top of a flagpole is $41^{\circ}12'$. The angle of depression from your eyes to the bottom of a flagpole is $10^{\circ}45'$. If the height from the ground to your eyes is 5 feet, how tall is the flagpole in feet to the nearest tenth? Draw a picture for this problem.

10. _____