

Assignment 8.3

1. Using your calculator, compute the following. Round to nearest ten thousandth.

a. $\sin(88) =$

b. $\cos(26) =$

c. $\tan(15) =$

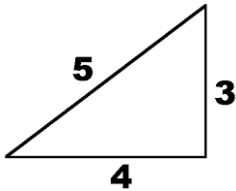
2. Using your calculator, find the missing angle. Round to the nearest tenth.

a. $\sin(A)=0.35$

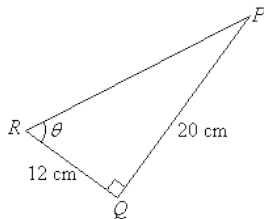
b. $\cos(B)=0.75$

c. $\tan(C)=1.025$

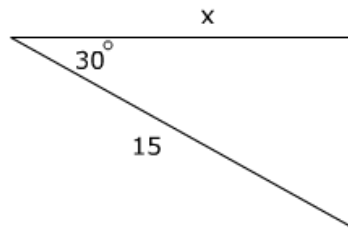
3. Find the $\sin(A)$, $\cos(A)$, $\tan(A)$, $\sin(B)$, $\cos(B)$, and $\tan(B)$. Write your answers as fractions and decimals rounded to the nearest hundredth.



4. Find the measure of angle R.



5. Find measure of x.



6. An airplane is taking off from the runway 200 yards away from a 60-foot building. What angle of elevation does the plane need to take off at the miss hitting the building? [Conversion: 3 feet = 1 yard]

