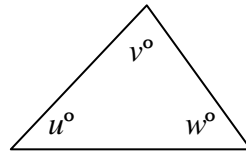
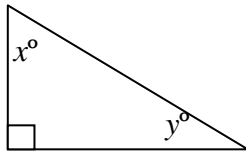


1.



In the triangles above, what is the average (arithmetic mean) of  $u$ ,  $v$ ,  $w$ ,  $x$ , and  $y$ ?  
**Show your work.**

2. A complete cycle of a traffic light takes 80 seconds. During each cycle, the light is green for 40 seconds, amber for 10 seconds, and red for 30 seconds.

a) When a randomly selected car arrives at the traffic light, what is the probability that the light is amber?

**Explain your answer.**

b) When a randomly selected car arrives at the traffic light, what is the probability that the light is not red?

**Explain your answer.**