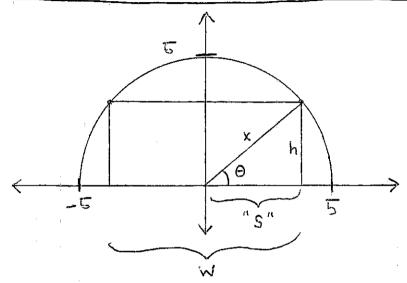
Addendum to HW2, supplement question #2:



Note:
$$x = 5 = radius$$
,
 $sin \Theta = \frac{opp}{hyp} = \frac{h}{x}$, so
 $h = x sin \Theta = 5 sin \Theta$
 $cos \Theta = \frac{adj}{hyp} = \frac{s}{x}$, so
 $w = 2s = 2 \cdot x \cdot cos \Theta$
 $= 10 \cdot cos \Theta$