Quiz	#3 - redo	GEOMETRY REVIEW	Page 1 of 3 (48 of 90 points)					
<i>Key</i> Convert the following degrees, minutes, seconds to decimal degrees using the "long-hand method". <i>SHOW YOUR WORK !!!</i> (8 pts. each)								
1)	75° 16' 43"	= 75.2786 °						
2)	14° 03' 25"	= 14.0569°						
3)	167° 31' 15"	= 167.5208°						

Convert the following decimal degrees to degrees, minutes, seconds using the "long-hand method". <u>SHOW YOUR WORK !!!</u> (8 pts. each)

- 4) 325.8396° = **325° 50' 22.56"**
- 5) 77.3952° = **77° 23' 42.72"**
- 6) 259.0097° = **259**° **00' 34.92"**

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Find the average of angles repeated seven times in the field with the accumulated value shown. <u>SHOW YOUR WORK !!!</u>

(8 pts.)

7) $\frac{261^{\circ} 44' 09''}{7} =$

37° 23' 27.00"

8) The following interior angles were observed in an eight-sided polygon. Determine the total of the angles (7 pts.) and the angular error of these field measured angles (7 pts.).

total	=	<u>1080° 01' 11"</u>	error	=	<u>+ 0° 01' 11"</u>
		<u>78° 14' 59"</u>			
		77° 22' 55"			
		333° 07' 52"			
		139° 17' 35"			
		98° 02' 49"			
		123° 29' 14"			
		151° 58' 17"			
		78° 27' 30"			

 Based on the sketch shown below (not to scale) solve for angle "X".
All lines are straight. "AB" and "CD" are parallel. "EF" and "GH" are parallel. (20 pts.)

