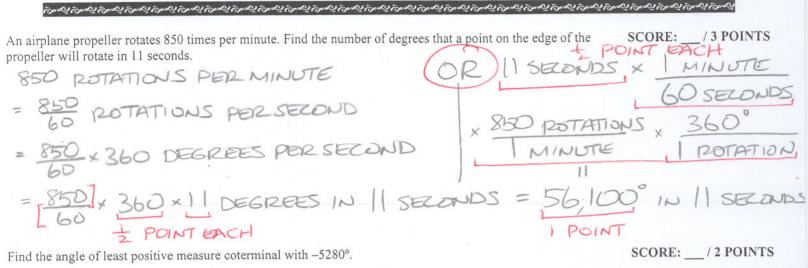
Math 51 (7:30am – 8:20am)	What month is your birthday?
Ouiz 1	What are the first 2 digits of your address?
Fri Apr 10, 2009	What are the last 2 digits of your zip code?
	What are the last 2 digits of your social security number?
SCORE:/ 10 POINTS	[IF YOU DO NOT HAVE A SOCIAL SECURITY NUMBER,
	USE YOUR STUDENT ID NUMBER

TO RECEIVE FULL CREDIT, YOU MUST SHOW NEATLY HOW YOU ARRIVED AT YOUR ANSWERS



Firefighters at the Morganza Fire Station need to measure the height of the station flagpole. They find that at the SCORE: ___/3 POINTS instant when the shadow of the station is 18m long, the shadow of the flagpole is 99m long. The station is 10m high. Find the height of the flagpole.

$$\frac{h}{10} = \frac{99}{18}, 2 \text{ points}$$

$$18h = 990$$

$$h = 55m, 1 \text{ point}$$

The measures of two angles of a triangle are 17°41′13″ and 96°12′10″. Find the measure of the third angle. Your answer should be in degrees/minutes/seconds format, <u>NOT</u> decimal degrees.

SCORE: ___ / 2 POINTS

$$180^{\circ} - (17^{\circ}41'13'' + 96^{\circ}12'10'')$$

= $180^{\circ} - 113^{\circ}53'23''$
= $179^{\circ}59'60'' - 113^{\circ}53'23''$
= $66^{\circ}6'37''$