

# Math 206 - Quiz 8

April 1, 2015

Name key \_\_\_\_\_  
Score \_\_\_\_\_

Show all work to receive full credit. Supply explanations when necessary.

1. (1 point) Convert  $56^{\circ} 18' 40''$  to degrees in decimal form. Round your result to the nearest ten thousandth.

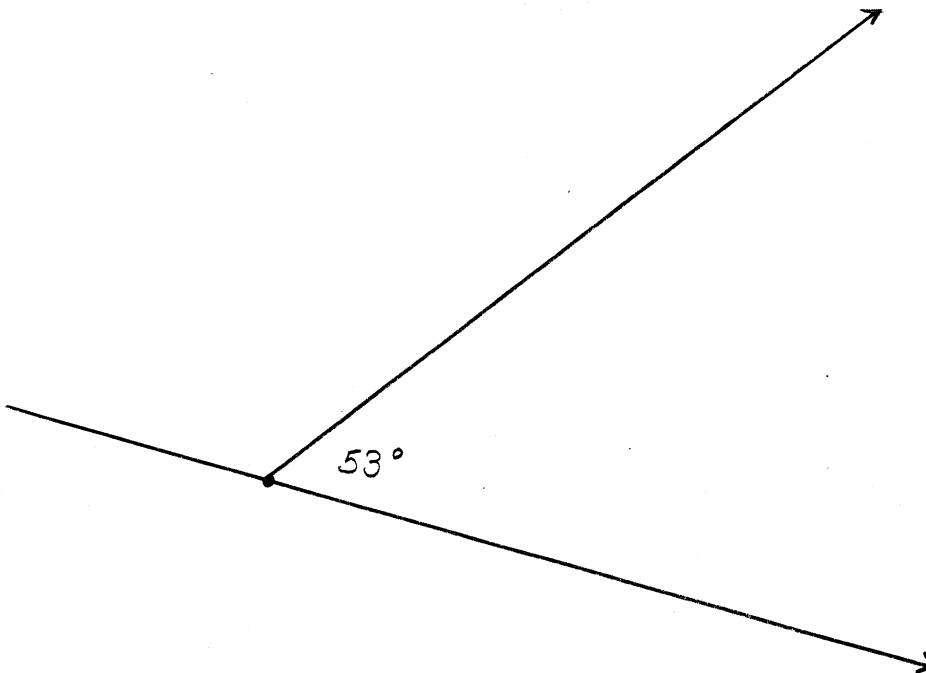
$$\frac{18'}{1} \times \frac{1^{\circ}}{60'} = 0.3^{\circ}$$

$$\Rightarrow 56^{\circ} 18' 40'' = 56.31^{\circ}$$

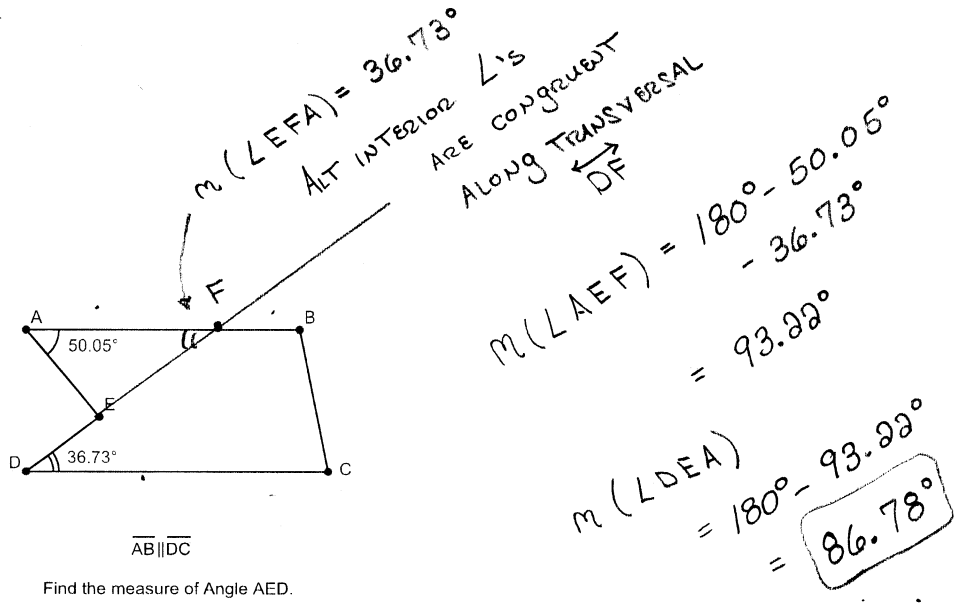
$$\frac{40''}{1} \times \frac{1^{\circ}}{3600''} = 0.011^{\circ}$$

$$\approx \boxed{56.3111^{\circ}}$$

2. (1 point) Use a protractor to sketch an angle that measures  $53^{\circ}$ .

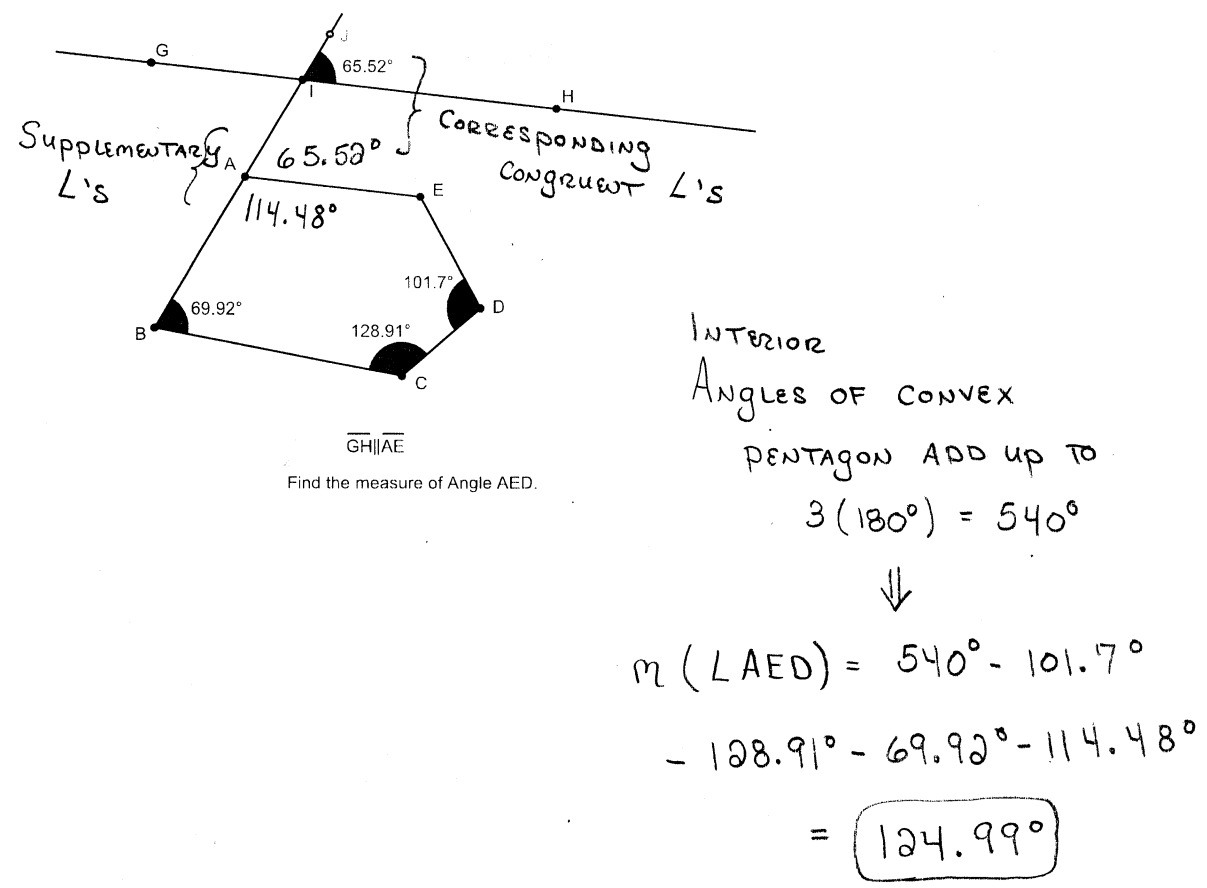


3. (1.5 points)



Find the measure of Angle AED.

4. (1.5 points)



Find the measure of Angle AED.