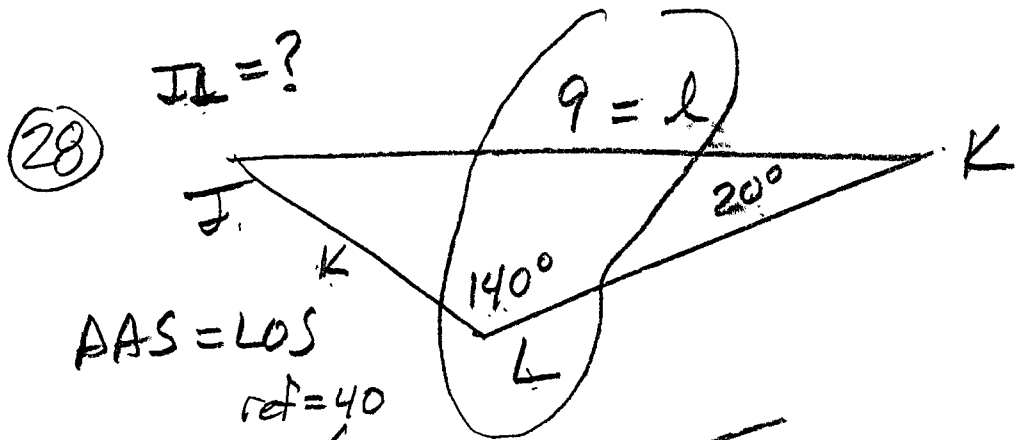




$$\frac{\sin 140}{9} = \frac{\sin 20}{K}$$

$$\frac{K \sin 40}{\cancel{\sin 40}} = \frac{9 \sin 20}{\sin 40}$$

$$K = \frac{9(.3420)}{(.6428)} \quad \boxed{E}$$

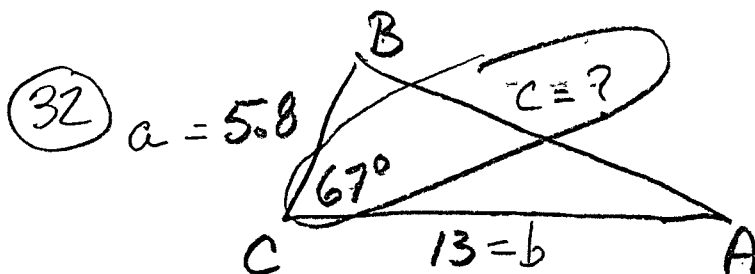
$$K = 4.788 = \boxed{4.8 = K}$$

Home Work Review

Geometry

Weds
11-28-12

Class
Notes



$$c^2 = (5.8)^2 + 13^2 - 2(5.8)(13) \cos 67^\circ$$

$$c^2 = 33.64 + 169 - 150.8(.3907)$$

$$c^2 = 202.64 - 58.918$$

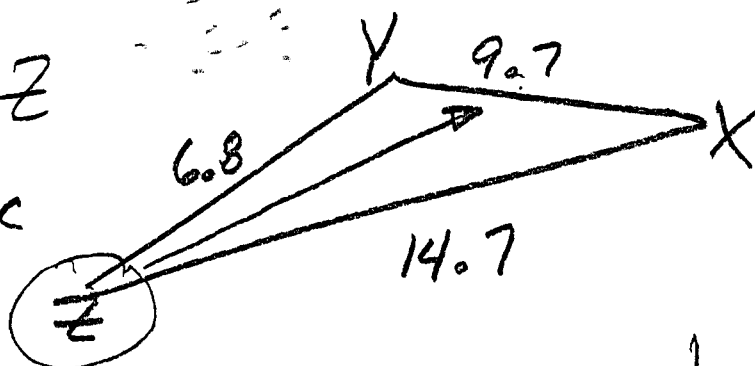
$$c^2 = 143.722$$

$$c = 11.988 \approx 12.0$$

$\swarrow$ tenth

(33) m $\angle Z$

SSS = LOC



$$9.7^2 = (6.8)^2 + (14.7)^2 - 2(6.8)(14.7)\cos Z$$

$$94.09 = 46.24 + 216.09 - 199.92\cos Z$$

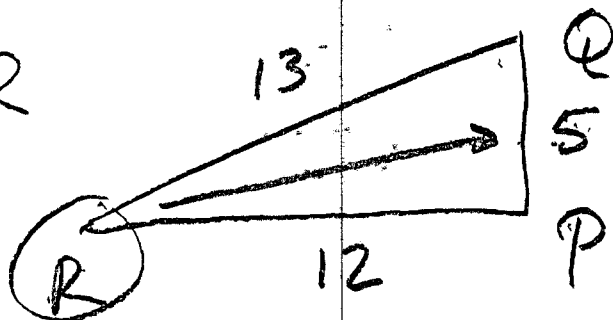
$$94.09 = \underbrace{262.33}_{-262.33} - 199.92\cos Z$$

$$\frac{-168.24}{-199.92} = \frac{-199.92\cos Z}{-199.92}$$

$$.841536 = \cos Z$$

$$\boxed{\cos^{-1}(.8415) = Z \approx 33^\circ}$$

34 mLR



SSS = LOC

$$5^2 = 12^2 + 13^2 - 2(12)(13) \cos R$$

$$25 = 144 + 169 - 312 \cos R$$

$$25 = 313 - 312 \cos R$$

$$\begin{array}{r} -313 \\ -313 \end{array}$$

$$\frac{-288}{-312} = \frac{-312 \cos R}{-312}$$

$$.923076923 = \cos R$$

$$R = \cos^{-1}(.923076)$$

$$R = 22.6198^\circ$$

$$R \approx 23^\circ$$

Trig Table

Closest Angle