$$\frac{E \times 3c}{2) \cos \hat{c} = \frac{Ac}{BC}$$

$$\cos \hat{D} = \frac{FD}{ED}$$

$$\cos \hat{J} = \frac{TK}{TL}$$

$$\cos \hat{C} = \frac{AC}{BC}$$

$$\cos \hat{G} = \frac{GT}{GT}$$

$$8)\hat{A} = 3L^{\circ} = 7 \cos \hat{A} =$$

Calculer le cos à arrondi à 0,01 prés.

$$\cos 3h^{\circ} = 0,823... \simeq 0,83$$

$$\hat{A} = a\cos(0.53) = 57.99^{\circ} \sim 58^{\circ}$$

4) 1) cos BÂC = 
$$\frac{AC}{AB} = \frac{12}{15} = \frac{4}{5} = 0.8$$

$$\sin \beta \hat{A}C = \frac{BC}{AB} = \frac{g}{15} = \frac{3}{5} = 0,6$$

$$BAC = 2\cos(0.8) = 36.869... \approx 37^{\circ}$$
  
=  $2\sin(0.6) = 36.869... \approx 37^{\circ}$ 

$$\cos \hat{T} = \frac{7}{25} \qquad \cos \hat{S} = \frac{12}{13} \qquad \cos \hat{O} = \frac{613}{10} \qquad \cos \hat{C} = \frac{9}{10}$$

$$\sin \hat{T} = \frac{21}{25} \qquad \sin \hat{S} = \frac{5}{13} \qquad \sin \hat{O} = \frac{9}{10} \qquad \sin \hat{C} = \frac{713}{8}$$

$$\hat{T} = \cos(\frac{7}{25}) = \cos(\frac{12}{15}) = \cos(\frac{613}{10}) = \hat{C} = \sin(\frac{713}{8}) = \cos(\frac{713}{10}) = \cos(\frac{713}{10})$$

Donc 
$$PI = 25 \times c97h^{\circ}$$
  
 $= 6,89 \simeq 7 \text{ om}$   
 $\sin 7h^{\circ} = \frac{PT}{25}$ 

Be est le côté apposé à 
$$\hat{A}$$
, donc  $\hat{A}$  =  $\frac{BC}{AC}$  =>  $\frac{BC}{AC}$  A  $\frac{AC}{AC}$ 

HI extle côté sdiscent à 
$$\hat{H}$$
, denc  
 $\cos \hat{H} = \frac{HI}{HE} \Rightarrow HE \times \cos \hat{H} = HI$   
 $\Rightarrow HE = \frac{HF}{\cos \hat{H}}$ 

Alors, 
$$HE = \frac{9}{\cos 47^{\circ}} = 13,2 \text{ cm}$$