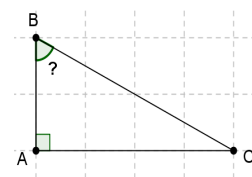


FC 4 : Trouver la mesure d'un angle

TI Collège™ Plus

Dans chaque cas suivant, donner la mesure de l'angle \widehat{ABC} , arrondie au degré près.



$$AC = 7 \text{ et } AB = 2,5\sqrt{2}$$

$$\tan \hat{B} = \frac{AC}{AB} \dots\dots\dots$$

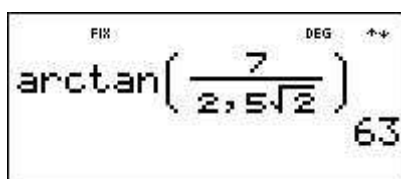
$$\hat{B} = \arctan\left(\frac{AC}{AB}\right) \dots\dots\dots$$

$$\hat{B} = \arctan\left(\frac{7}{2,5\sqrt{2}}\right) \dots\dots\dots$$

$$\hat{B} \approx 63^\circ \dots\dots\dots$$

Calculatrice : 2nde tan 7 $\frac{n}{d}$ 2 , 5 2nde

x^2 2 \rightarrow \rightarrow) entrer



$$AC = 4\sqrt{3} \text{ et } AB = 5$$

$$\tan \hat{B} = \frac{AC}{AB} \dots\dots\dots$$

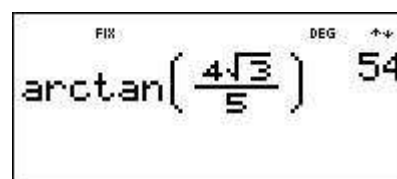
$$\hat{B} = \arctan\left(\frac{AC}{AB}\right) \dots\dots\dots$$

$$\hat{B} = \arctan\left(\frac{4\sqrt{3}}{5}\right) \dots\dots\dots$$

$$\hat{B} \approx 54^\circ \dots\dots\dots$$

Calculatrice : 2nde tan $\frac{n}{d}$ 4 2nde x^2 3 \rightarrow

5 \rightarrow) entrer



$$BC = 8\sqrt{2} \text{ et } AC = 9$$

$$\sin \hat{B} = \frac{AC}{BC} \dots\dots\dots$$

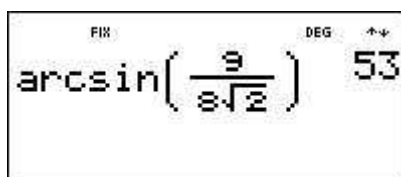
$$\hat{B} = \arcsin\left(\frac{AC}{BC}\right) \dots\dots\dots$$

$$\hat{B} = \arcsin\left(\frac{9}{8\sqrt{2}}\right) \dots\dots\dots$$

$$\hat{B} \approx 53^\circ \dots\dots\dots$$

Calculatrice : 2nde sin $\frac{n}{d}$ 9 \rightarrow 8 2nde x^2

2 \rightarrow \rightarrow) entrer



$$BC = 7 \text{ et } AB = 2\sqrt{3}$$

$$\cos \hat{B} = \frac{AB}{BC} \dots\dots\dots$$

$$\hat{B} = \arccos\left(\frac{AB}{BC}\right) \dots\dots\dots$$

$$\hat{B} = \arccos\left(\frac{2\sqrt{3}}{7}\right) \dots\dots\dots$$

$$\hat{B} \approx 60^\circ \dots\dots\dots$$

Calculatrice : 2nde cos $\frac{n}{d}$ 2 2nde x^2 3 \rightarrow

7 \rightarrow) entrer

