

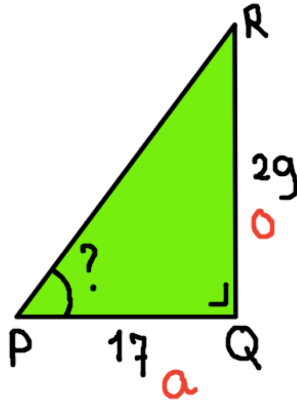


w=kunde  
Mw. Jans' en

## Bovenbouw

### 6.3.4. SOSCASTOA hoeken berekenen. Antwoorden

#### opgave 1

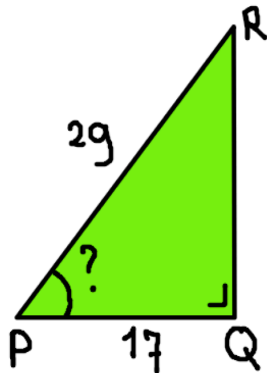


SOS CAS TOA

Bereken de grootte van hoek P.  
Rond je antwoord af op 1 decimaal.

$$\begin{aligned}\tan \angle P &= \frac{o}{a} = \frac{29}{17} \\ \angle P &= \tan^{-1}\left(\frac{29}{17}\right) = 59,62... \\ \text{dus } \angle P &= 59,6^\circ\end{aligned}$$

#### Opgave 2

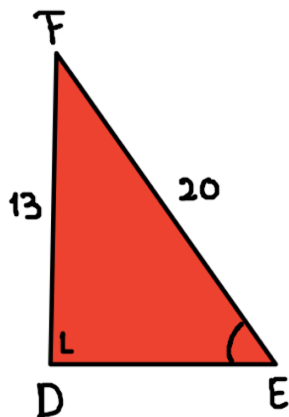


Bereken de grootte van hoek P.  
Rond je antwoord af op 1 decimaal.

SOS CAS TOA

$$\begin{aligned}\cos \angle P &= \frac{a}{s} = \frac{17}{29} \\ \angle P &= \cos^{-1}\left(\frac{17}{29}\right) = 54,111... \\ \text{Dus } &54,1^\circ\end{aligned}$$

#### Opgave 3



Bereken de grootte van hoek E.  
Rond je antwoord af op 1 decimaal.

SOS CAS TOA

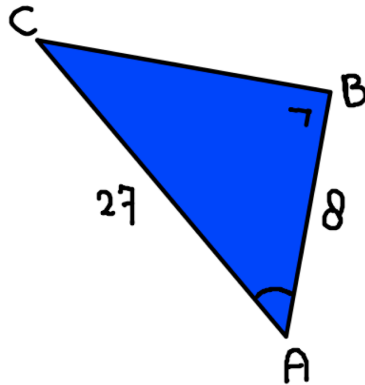
$$\begin{aligned}\sin \angle E &= \frac{o}{s} = \frac{13}{20} \\ \angle E &= \sin^{-1}\left(\frac{13}{20}\right) = 40,54... \\ \text{Dus } &40,5^\circ\end{aligned}$$



## Bovenbouw

### 6.3.4. SOSCASTOA hoeken berekenen. Antwoorden

#### Opgave 4



Bereken de grootte van hoek A.  
Rond je antwoord af op 1 decimaal.

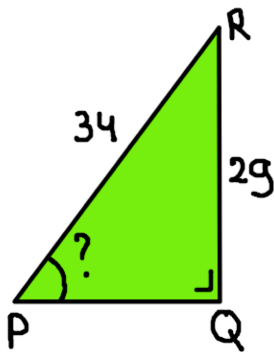
SOS CAS TOA

$$\cos \angle A = \frac{a}{s} = \frac{8}{27}$$

$$\angle A = \cos^{-1}\left(\frac{8}{27}\right) = 72,76\dots$$

$$\text{Dus } 72,8^\circ$$

#### Opgave 5



Bereken de grootte van hoek P.  
Rond je antwoord af op 1 decimaal.

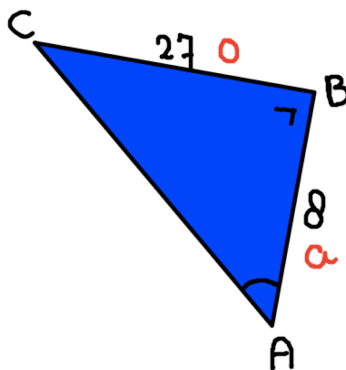
SOS CAS TOA

$$\sin \angle P = \frac{o}{s} = \frac{29}{34}$$

$$\angle P = \sin^{-1}\left(\frac{29}{34}\right) = 58,53\dots$$

$$\text{Dus } \angle P = 58,5^\circ$$

#### Opgave 6



SOS CAS TOA

Bereken de grootte van hoek A.  
Rond je antwoord af op 1 decimaal.

$$\tan \angle A = \frac{o}{a} = \frac{27}{8}$$

$$\angle A = \tan^{-1}\left(\frac{27}{8}\right) = 73,49\dots$$

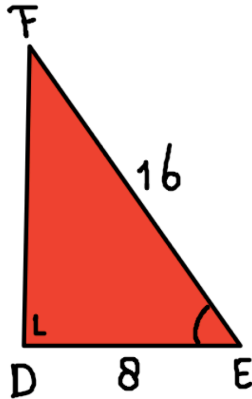
$$\text{dus } \angle A = 73,5^\circ$$



## Bovenbouw

### 6.3.4. SOSCASTOA hoeken berekenen. Antwoorden

#### Opgave 7



Bereken de grootte van hoek E.  
Rond je antwoord af op 1 decimaal.

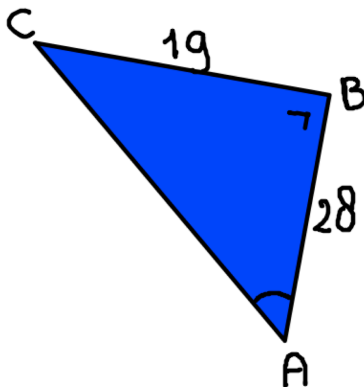
SOS CAS TOA

$$\cos \angle E = \frac{a}{s} = \frac{8}{16}$$

$$\angle E = \cos^{-1}\left(\frac{8}{16}\right) = 60,0^\circ$$

Dus  $60,0^\circ$

#### Opgave 8



SOS CAS TOA

Bereken de grootte van hoek A.  
Rond je antwoord af op 1 decimaal.

$$\tan \angle A = \frac{o}{a} = \frac{19}{28}$$

$$\angle A = \tan^{-1}\left(\frac{19}{28}\right) = 34,15 \dots$$

Dus  $\angle A = 34,2^\circ$