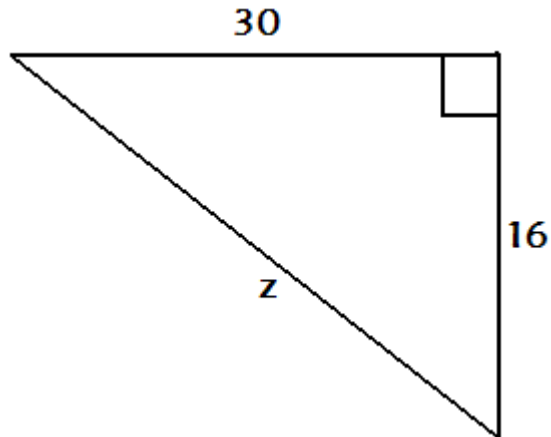




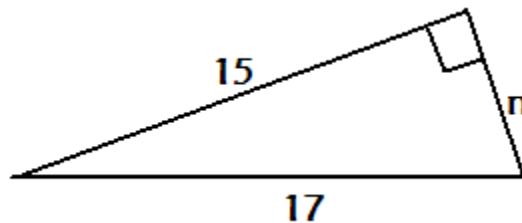
# Drukbare assessering CAMI Wisk: Graad 8

## Pythagoras

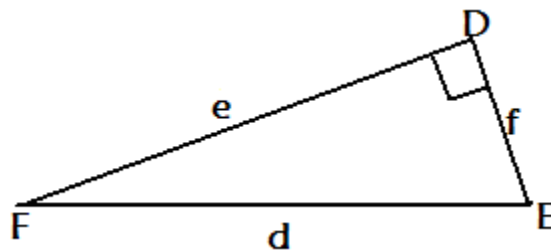
1. Bereken die lengte van  $z$ .



2. Bereken die lengte van  $n$ .



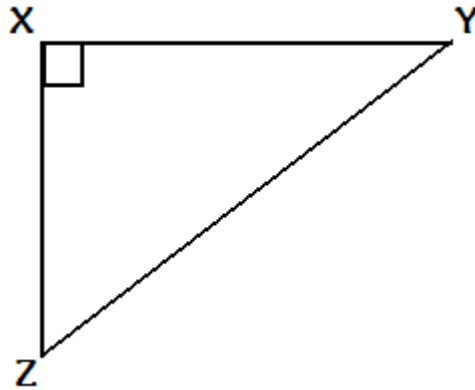
3. In die reghoekige driehoek DEF is,  $d = 17\text{mm}$  en  $f = 9\text{mm}$ .  
Bereken die lengte van  $e$ .





## Drukbare assessering CAMI Wisk: Graad 8

4. In die reghoekige driehoek XYZ is,  $XY = 24\text{m}$  en  $YZ = 45\text{m}$ .  
Bereken die lengte van  $XZ$ .



5. 'n Staan horlosie wys presies 9h00. As die lengte van die langarm 133 mm, is en die afstand tussen die eindpunte van die twee arms 162mm is, bereken die lengte van die kort arm van die horlosie.





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### MEMO

[7.1.1.1 tot 7.1.1.6]

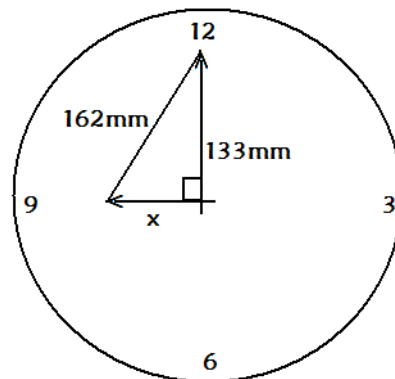
1.  $z^2 = (30)^2 + (16)^2$   
 $z^2 = 900 + 256$   
 $z^2 = 1\ 156$   
 $z = 34$

2.  $(17)^2 = (15)^2 + n^2$   
 $289 = 225 + n^2$   
 $n^2 = 64$   
 $n = 8$

3.  $d^2 = e^2 + f^2$   
 $17^2 = e^2 + 9^2$   
 $e^2 = 208$   
 $e = 14,4\text{mm}$

4.  $XZ^2 = YZ^2 - XY^2$   
 $XZ^2 = 45^2 - 24^2$   
 $XZ^2 = 1\ 449$   
 $XZ = 38,1\text{m}$

5.





## Drukbare assessering CAMI Wisk: Graad 8

$$\begin{aligned}x^2 &= 162^2 - 133^2 \\x^2 &= 26\,244 - 17\,689 \\x^2 &= 8\,555 \\x &= 92,49\text{mm}\end{aligned}$$

