

Meetkunde

Gelykvormige en kongruente vorms

1. Noem vyf kongruente vorms wat jy in julle kombuis by die huis kan vind. (Byvoorbeeld, twee eetborde.)



Onthou

Kongruente veelhoeke is in alle opsigte gelyk.

2. Trek kringe om die figure wat kongruent is.

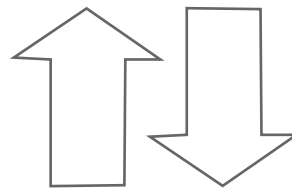
a)



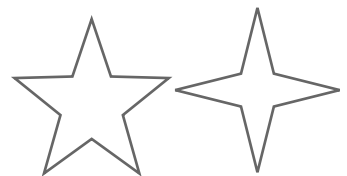
b)



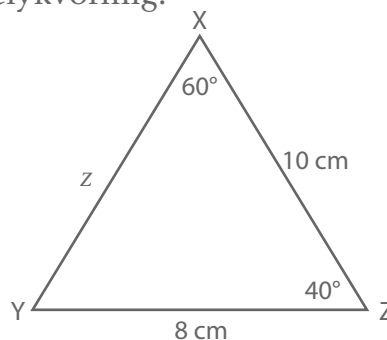
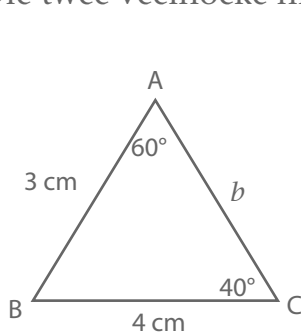
c)



d)



3. Die twee veelhoeke hieronder is gelykvormig.



Onthou

Gelykvormige veelhoeke het dieselfde vorm maar nie dieselfde grootte nie

Vind die groottes van die volgende.

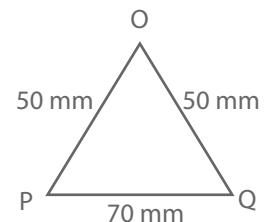
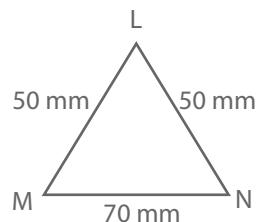
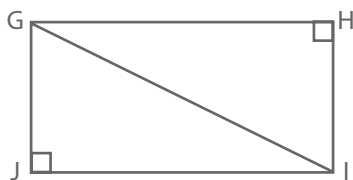
a) $\angle B$

b) $\angle Y$

c) b

d) z

4. Is die figure hieronder kongruent? Gee redes vir jou antwoord.



a) $\triangle GIJ$ en $\triangle HIG$

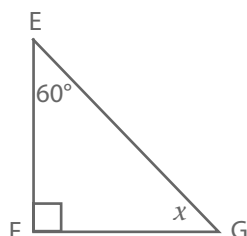
b) $\triangle LMN$ en $\triangle OPQ$

Meetkunde

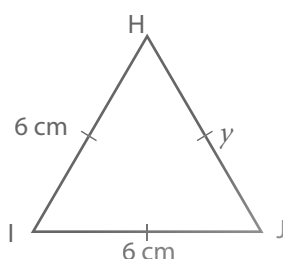
Probleemoplossing

1. Vind die waardes vir x , y en z .

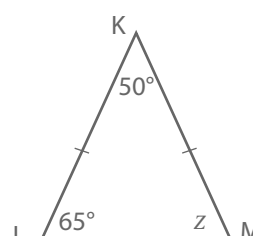
a) Reghoekige driehoek



b) Gelyksydige driehoek



c) Gelykbenige driehoek



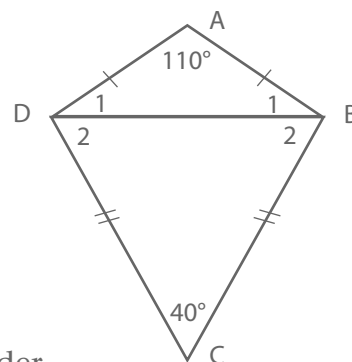
2. Vind die onbekende hoeke in die figuur langsaan.

a) $\angle D_1$

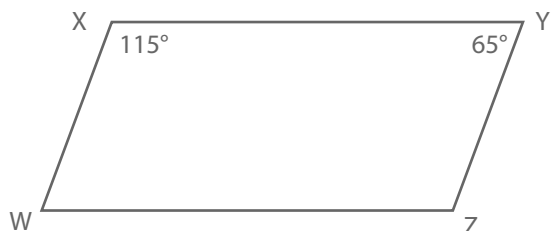
b) $\angle B_1$

c) $\angle D_2$

d) $\angle B_2$



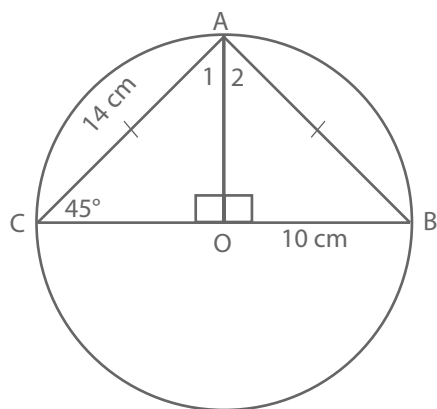
3. Bepaal die ontbrekende hoeke in die parallellogram hieronder.



a) $\angle XWZ$

b) $\angle WZY$

4. Bepaal die ontbrekende hoeke en sye in die figuur hieronder.



a) $\angle ABC$

b) $\angle A_1$

c) $\angle A_2$

d) AB

e) CO