



# Wiskunde

Meetkunde: 2D figure

Graad 7

# Eienskappe van lyne

p.39-40

- Punte: Geen mate of grootte nie.

Slegs 'n posisie.

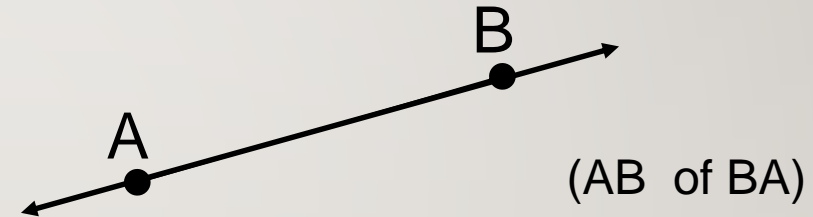
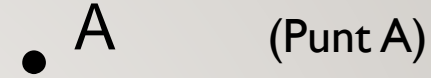
- 'n Reguitlyn is presies  $180^{\circ}$ .

- Lyn: Geen begin/eindpunt.

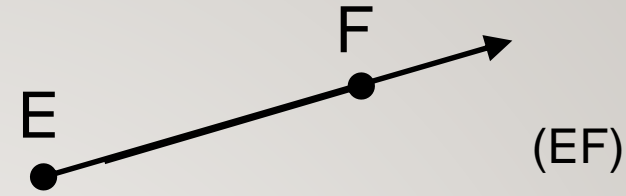
Hou aan in albei rigtings.

-Lynsegment: Het twee eindpunte.

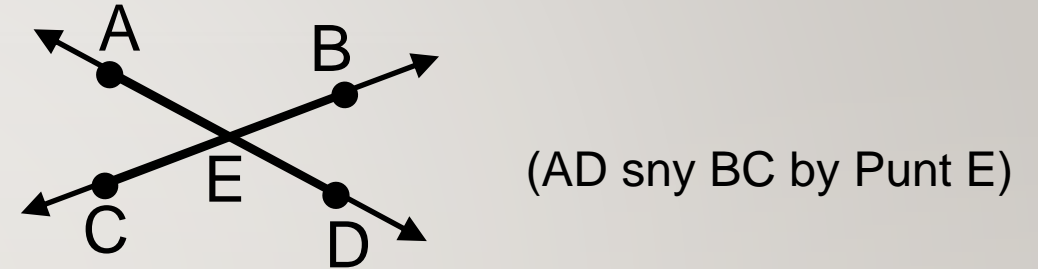
Deel van 'n lyn.



- Straal: Deel van 'n lyn.  
Slegs een eindpunt.  
Benoem eers die eindpunt.



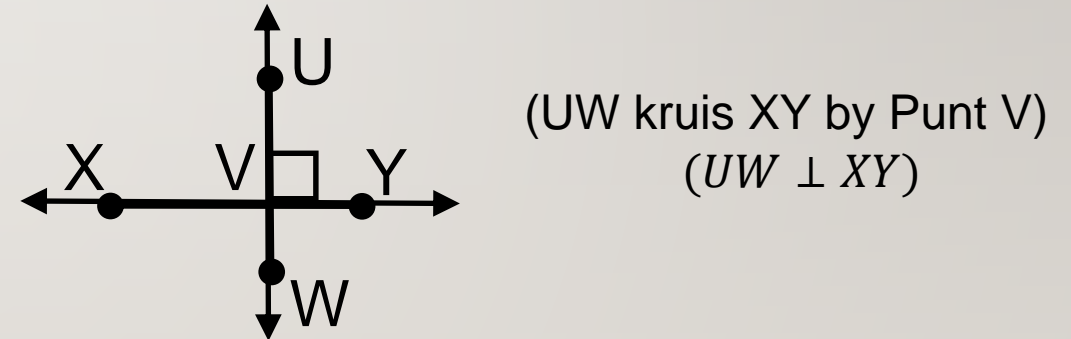
- Snylyne: Twee lyne sny mekaar.



- Loodregte lyne: Twee lyne kruis mekaar.

Kruishoek is  $90^\circ$

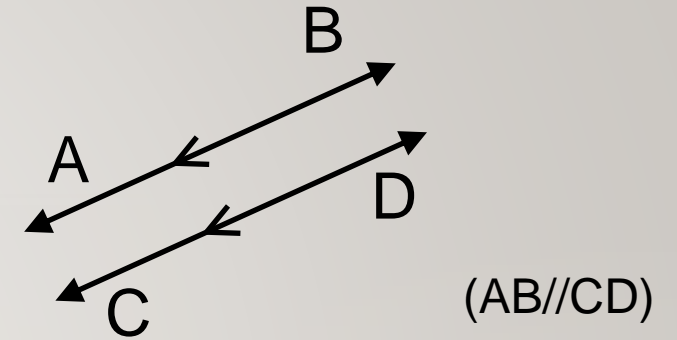
Simbool vir "loodreg" is  $\perp$



- Parallele lyne: Presies ewewydig.  
Altyd ewe ver van mekaar af.  
Sny / kruis mekaar nooit.

Simbool vir "parallel" is //

- Horisontale lyn: Lyne wat as van links na regs gesien kan word ten opsigte van die blad waarop dit geteken word.



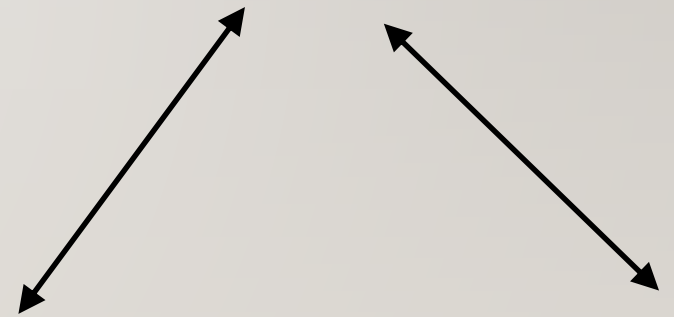


- Vertikale lyn: Lyne wat van bo na onder gesien sal word, ten opsigte van die blad waarop dit geteken word.

(Vertikale- en horisontale lyne sal mekaar altyd kruis)

- Diagonale lyne: Lyne wat teen 'n helling getrek word.

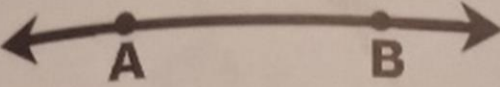
Word meestal gesien waar dit van hoek na hoek strek in 'n figuur.

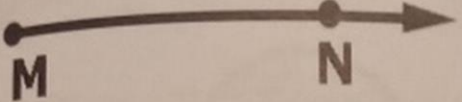


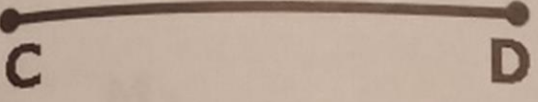
# Oefening

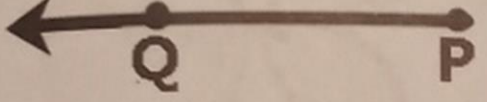
**Werkkaart 17 A**

1. Benoem elk van die volgende:

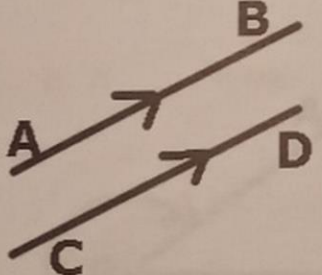
1.1 

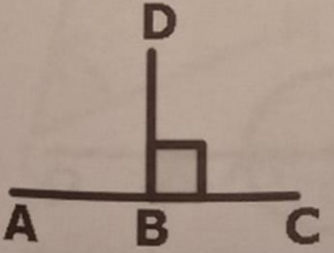
1.2 

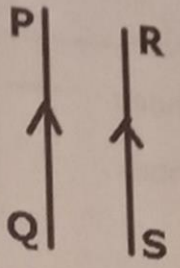
1.3 

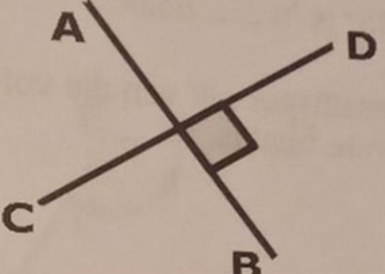
1.4 

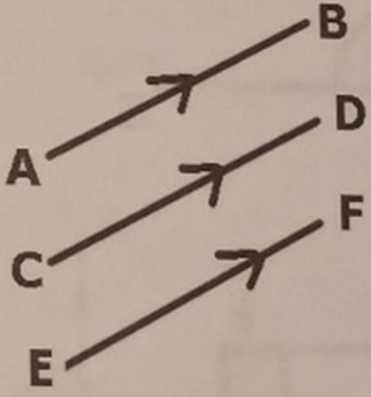
2. Sê of elk van die volgende pare lyne ewewydig of loodreg is, en skryf dit dan neer deur die punte op die lyne en die korrekte teken te gebruik:

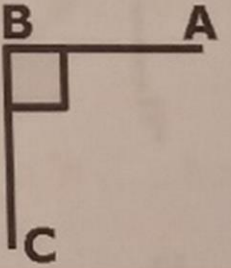
2.1 

2.2 

2.3 

2.4 

2.5 

2.6 

# Antwoorde

## Werkkaart 17 A

- 1.1 lyn
- 1.2 straal
- 1.3 lynstuk
- 1.4 straal

- 2.1 ewewydig  
 $AB \parallel CD$
- 2.2 loodreg  
 $DB \perp AC$
- 2.3 ewewydig  
 $PQ \parallel RS$
- 2.4 loodreg  
 $AB \perp CD$
- 2.5 ewewydig  
 $AB \parallel CD \parallel EF$
- 2.6 loodreg  
 $AB \perp BC$