

KLASKAMER 10

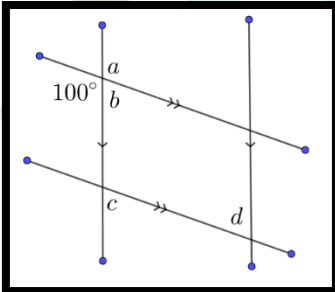
GRAAD 8 & 9 WISKUNDE: EPISODE 56

MEETKUNDE VAN REGUIT LYNE

VRAAG 1:

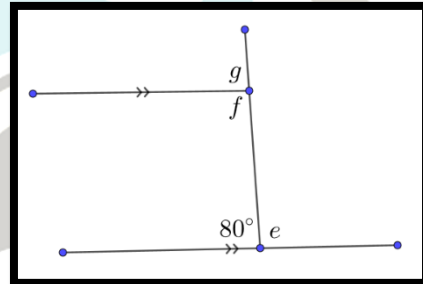
Bepaal die waardes van die onbekendes in elk van die volgende – maak gebruik van **gepaste redes**:

a.



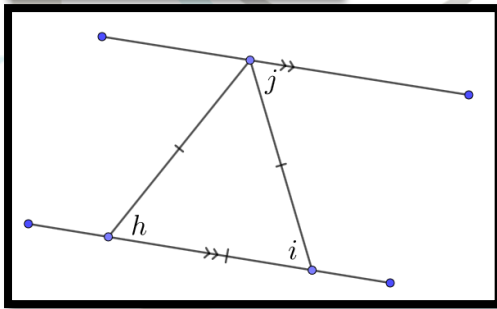
(4)

b.



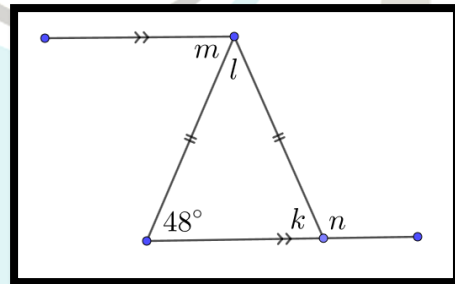
(3)

c.



(3)

d.



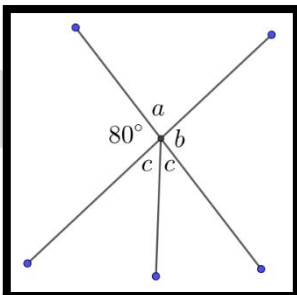
(4)

[14]

VRAAG 2:

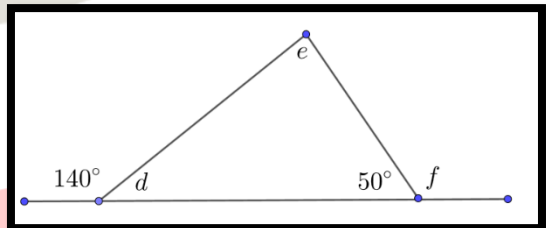
Bepaal die waardes van die onbekendes in elk van die volgende – maak gebruik van **gepaste redes**:

a.



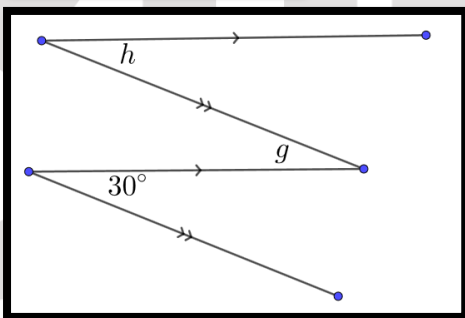
(3)

b.



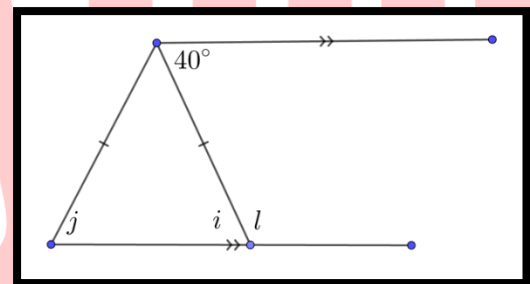
(3)

c.



(2)

d.



(3)

[11]

TOTAAL: 25 PUNTE

GRAAD 8 & 9 WISKUNDE: EPISODE 56 (MEMORANDUM)

MEETKUNDE VAN REGUIT LYNE

VRAAG 1

a)	$a = 100^\circ$ (regoorstaande \angle 'e) ✓ $b = 80^\circ$ (\angle 'e op'n rtlyn) ✓ $c = 80^\circ$ (ooreenkomstige \angle 'e) ✓ $d = 80^\circ$ (verw binne \angle 'e) ✓
b)	$e = 100^\circ$ (\angle 'e op'n rtlyn) ✓ $f = 100^\circ$ (verw binne \angle 'e) ✓ $g = 80^\circ$ (\angle 'e op'n rtlyn) ✓
c)	$h = i = 60^\circ$ (binne \angle 'e van gelyksydige Δ) ✓ $j = 60^\circ$ (verw binne \angle 'e) ✓
d)	$k = 48^\circ$ (\angle 'e teenoor gelyke sye) ✓ $l = 84^\circ$ (binne \angle 'e van Δ) ✓ $m = 48^\circ$ (verw binne \angle 'e) ✓ $n = 132^\circ$ (\angle 'e op'n rtlyn) ✓

VRAAG 2

a)	$a = 100^\circ$ (\angle 'e op'n rtlyn) ✓ $b = 80^\circ$ (regoorstaande \angle 'e) ✓ $2c = 100^\circ$ (regoorstaande \angle 'e) $\therefore c = 50^\circ$ ✓
b)	$d = 40^\circ$ (\angle 'e op'n rtlyn) ✓ $e = 90^\circ$ (binne \angle 'e van Δ) ✓ $f = 130^\circ$ (\angle 'e op'n rtlyn) ✓
c)	$g = 30^\circ$ (verw binne \angle 'e) ✓ $h = 30^\circ$ (verw binne \angle 'e) ✓
d)	$i = 40^\circ$ (verw binne \angle 'e) ✓ $j = 40^\circ$ (\angle 'e teenoor gelyke sye) ✓ $l = 140^\circ$ (\angle 'e op'n rtlyn) ✓

www.klaskamer10.co.za