

MEMORANDUM – GR 8 NOVEMBER TWEEDE VRAESTEL

- 1.1.1 0 en 90 (1)
- 1.1.2 stomphoek (1)
- 1.1.3 180 (1)
- 1.1.4 grootste (1)
- 1.1.5 skuinssy (1)
- 1.2.1 D (1)
- 1.2.2 B (1)
- 1.2.3 B (1)
- 1.2.4 C (1)
- 1.2.5 D (1)
- 1.3.1 Ooreenkomstige hoeke (1)
- 1.3.2 Ko-binne hoeke (1)
- 1.3.3 Verwisselende hoeke (1)
- 1.4.1 180 (1)
- 1.4.2 $\hat{O}_6$ (1)
- 1.4.3 90 (1)
- 2.1.1 $\hat{R}_2 = 180^\circ - 87^\circ - 45^\circ = 48^\circ$ (gestrekte hoek) (2)
- 2.1.2 $\hat{Q} = 45^\circ$ (verwisselende hoeke $PQ \parallel SR$) (2)
- 2.1.3 $\hat{P} = 87^\circ$ (verwisselende hoeke $PQ \parallel SR$)
OF
 $\hat{P} = 180^\circ - 45^\circ - 48^\circ = 87^\circ$ (som $\angle^e \triangle PQR$) (2)
- 2.2.1 $\hat{D}_1 = 180^\circ - 120^\circ = 60^\circ$ (gestrekte hoek) (2)
- 2.2.2 $\hat{A}_1 = 120^\circ - 70^\circ = 50^\circ$ (buitehoek $\triangle ABD$)
OF
 $\hat{A}_1 = 180^\circ - 70^\circ - 60^\circ = 50^\circ$ (Som $\angle^e \triangle ABD$) (2)
- 2.2.3 $\hat{A}_2 = 180^\circ - 50^\circ - 70^\circ - 40^\circ = 20^\circ$ (Som $\angle^e \triangle ABC$)
OF
 $\hat{A}_2 = 60^\circ - 40^\circ = 20^\circ$ (buitehoek $\triangle ADC$) (2)
- 3.1 $25^2 = 625$
 $7^2 + 23^2 = 578$
 $625 \neq 578$
Dus nie reghoekig (4)
- 3.2.1 $PQ^2 = 15^2 - 9^2 = 144$
 $\therefore PQ = 12cm$ (2)
- 3.2.2 $TR^2 = 3^2 + 4^2 = 25$
 $\therefore TR = 5cm$ (2)
- 3.2.3 $Area \triangle TRS = \frac{1}{2}bh$
 $= \frac{1}{2}(4)(3)$
 $= 6cm^2$ (3)
- 4.1 $Omtrek = 4 + 3 + 2 + 2 + 2 + 4 + 5 = 22cm$ (3)

$$\begin{aligned} \mathbf{4.2.1} \quad Area &= \pi r^2 \\ &= (3,14)(7)^2 \\ &= 153,86cm^2 \end{aligned} \quad \mathbf{(3)}$$