

ALTERNATIVE METHODS TO SOME QUESTIONS/ ALTERNATIEWE METODES TOT SEKER VRAE

3.2.4	$AC = \sqrt{260} = 2\sqrt{65}$ $AB = \sqrt{160} = 4\sqrt{10}$ $BC = \sqrt{50} = 5\sqrt{2}$ $260 \neq 160 + 50$ $AC^2 \neq AB^2 + BC^2$	$\checkmark AB = \sqrt{160} = 4\sqrt{10}$ $\checkmark BC = \sqrt{50} = 5\sqrt{2}$ $\checkmark 260 \neq 160 + 50$	(3)
3.2.7	$AD = 10,08$ $AE = 10,54$ $Area\ of\ \Delta\ ADE = \frac{1}{2} AD \cdot AE \sin A$ $Area\ of\ \Delta ADE = \frac{1}{2} (10,08)(10,54) \sin 25,56$ $Area\ of\ \Delta ADE = 22,92\ units^2$	$\checkmark AD = 10,08$ $\checkmark AE = 10,54$ \checkmark Formula/formule \checkmark substitution/vervangings \checkmark answer/antwoord	(5)
4.5	$\sin 5\theta = \cos(\theta - 40)$ $\cos(90 - 5\theta) = \cos(\theta - 40)$ $90 - 5\theta = \theta - 40$ $90 - 5\theta = \theta - 40 + 360k$ $-6\theta = -130 + 360k$ $\theta = 21,67 - 60k$ OR / OF $90 - 5\theta = 360 - (\theta - 40) + 360k$ $-4\theta = 310 + 360k$ $\theta = -77,5 - 90k$	\checkmark co -function /ko-funksie $\checkmark -6\theta = -130 + 360k$ $\checkmark \theta = 21,67 - 60k$ $\checkmark 90 - 5\theta = 360 - (\theta - 40) + 360k$ $\checkmark -4\theta = 310 + 360k$ $\checkmark \theta = -77,5 - 90k$	(6)

CORRECTIONS TO BE MADE ON THE QUESTION PAPER (ENGLISH AND AFRIKAANS VERSION)

Re-phrasing of the question.

Question 9.1

Calculate, in terms of x and y , the sizes of the following angles. Give reasons for your answers.

Vraag 9.1

Bereken, in terme van x en y , die groottes van elk van die volgende hoeke. Gee redes vir jou antwoorde.

CORRECTIONS ON MARKING GUIDELINE

10.3 - Delete one "e" in the second line (highlighted in the marking guideline)