Ekurhuleni North		District Paper – Mathematics Paper 2 Grade 11 Marking Guideline	June 2023
	cept vaid alte	rnate solutions. r applies applies to the whole memo.	
QUEST	ION 1		
1.1	$n_{MM} = \frac{6-4}{3+1}$ $= \frac{1}{2}$		✓ subs into formula ✓ answer
1.2 R	$e(x; y) = \left(\frac{3}{2}\right)$ $= \left(\frac{7}{2}\right)$	$\frac{+4}{2}; \frac{6+1}{2}$	✓Correct Substitution ✓Answer
z.	$m_{HM} = m_{AP}$ $tan\theta = \frac{1}{2}$ $\theta = 26,57$ *		✓ HM AT ✓ Correct substitution ✓ Answer
4	R is the midpoint of diagonal AH (Diags of a parm) Let the coordinates of A be $(x; y)$. $\frac{-1+x}{2} = \frac{7}{2}$ $x = 8$ $\frac{4+y}{2} = \frac{7}{2}$ $y = 3$ $\therefore A(8; 3)$		$\frac{\sqrt{\frac{-1+x}{2}}}{\sqrt{8}} = \frac{7}{2}$ $\frac{\sqrt{\frac{4+y}{2}}}{\sqrt{3}} = \frac{7}{2}$
1.5 n	$m_{AT} = \frac{1}{2} (parallel lines)$ $y = \frac{1}{2}x + c$ Sub $T(4; 1)$		✓Sub T (4; 1) ✓c = -1

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