




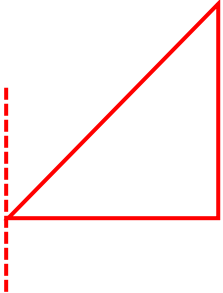
TOM NEWBY SCHOOL
GRADE 7 MATHS 2021 MEMO



QUESTION	ANSWER	MARK	LEVEL
Q1	1.1. C✓ 1.2 C✓ 1.3 B✓ 1.4 B✓ 1.5 A✓ 1.6 B✓ 1.7 C✓ 1.8 B✓ 1.9 B✓ 1.10 B✓	10	1
Q2	2.1 a) Co-efficient✓ b) Variable✓ c) Constant✓ 2.2 a) $3 \times 4 - 2 \times 5 + 4$ ✓ $= 12 - 10 + 4$ ✓ $= 6$ ✓ 2.2 b) $5^2 - 4^2$ $= 25 - 16$ ✓ $= 9$ ✓ 2.3 a) $6Y = 48$ ✓ $\div 6$ ✓	20	1 / 2

	$Y = 8\checkmark$ 2.3b) $\frac{Y}{3} = 3\checkmark$ $\times 3\checkmark$ $Y = 9\checkmark$ 2.3 c) $3 + 10\checkmark$ $= 2y$ $\frac{13}{2} = \frac{2y}{2}\checkmark$ $6\frac{1}{2} = y\checkmark$ 2.3 d) $\frac{4}{y} = \frac{-2}{1}\checkmark$ $-2y = 4\checkmark$ $\div (-2)$ $y = -2\checkmark$		
Q 3	3.1. a) Perpendicular \checkmark b) Neither \checkmark c) Parallel \checkmark d) Neither \checkmark 3.2 a) Obtuse \checkmark b) Straight \checkmark 3.3 a) $60^\circ\checkmark$ b) $45^\circ\checkmark$ c) $132^\circ\checkmark$ d) $30^\circ\checkmark$ 3.4 a) Congruent \checkmark b) Similar \checkmark	12	3
Q 4	4.1 $P = 2l + 2b$	16	

	$= 2 \times 7,25 + 2 \times 2,5 \checkmark$ $= 14,5 + 5 \checkmark$ $= 19,5m \checkmark$ <p>4.2</p> $A = \ell \times b = 3 \times 4 = 12cm^2 \checkmark$ $A = \ell \times b = 11 \times 2 = \underline{22cm^2} \checkmark$ $34cm^2 \checkmark$ <p>4.3 $A = \frac{b \times h}{2}$</p> $= \frac{9 \times 15}{2} \checkmark$ $= \frac{135}{2} \checkmark$ $= 67,5cm^2 \checkmark$ <p>4.4 S.A: $2(\ell \times b) = 2(18 \times 6) \checkmark$</p> $= 2 \times 108 = 216$ $2(\ell \times h) = 2(18 \times 2) = 2 \times 36 \checkmark$ $= 72$ $2(\ell \times h) = 2(6 \times 2) = 2 \times 2$ $= \underline{24} \checkmark$ $= 312cm^2 \checkmark$ <p>4.5 $v = \ell^3 \checkmark$</p> $3\sqrt{216} \checkmark$ $= 6cm \checkmark$		
Q 5	<p>5.1 a) Rotation \checkmark</p> <p>b) Translation \checkmark</p> <p>c) Reflection \checkmark</p> <p>5.2 a) 8R ; 2D \checkmark</p>	8	2 / 3

	<p>b)</p>  <p>9✓✓</p> <p>5.2 c)</p>  <p>✓ ✓</p>		
Q 6	<p>6.1 a) Mode: 116cm✓</p> <p>b) Median: 116cm✓</p> <p>c) Range: 7✓</p> <p>d) Mean: 118cm✓</p> <p>6.2 a) Q 4✓</p> <p>b) $8000 - 4000 = 4000$✓</p> <p>c) 2000 Q4✓</p> <p>d) Any – Increase✓✓</p>	9	2 / 3
			Total: 75