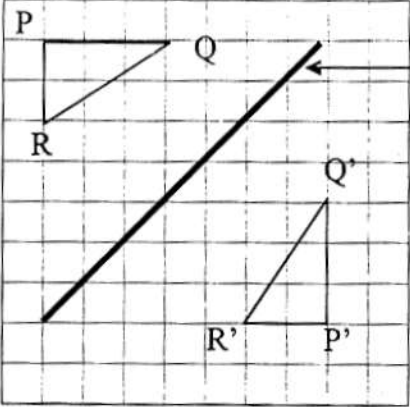
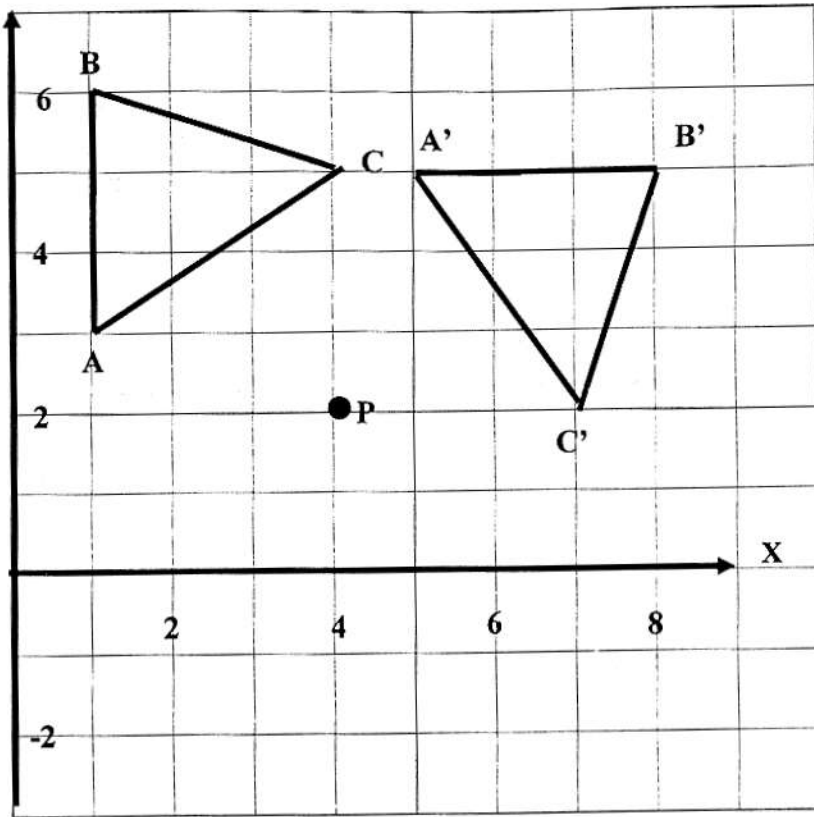


PMR MATHEMATICS
PAPER 2 (50/2)
ANSWER SCHEME

NO	MARKING SCHEME	MARKS	
1	$\frac{5}{6}$ $\frac{5}{11}$	KI	2
2	a) $\frac{5}{2}$ or 2.5 or $2\frac{1}{2}$ b) $\sqrt{0.64}$ or $\sqrt{\frac{64}{100}}$ 0.8 or $\frac{4}{5}$	NI	3
3	$h = -8$ $k = -3$	NI	2
4		P2	2

<p>5</p>	 <p>Correct draw</p> <p>Correct label</p>	<p>PI</p> <p>PI</p>	<p>2</p>
<p>6</p>	<p>$3n = m - k$ or $-3n = k - m$</p> <p>$n = \frac{m - k}{3}$ or $n = \frac{-k + m}{3}$</p>	<p>KI</p> <p>NI</p>	<p>2</p>
<p>7</p>	<p>a) -5</p> <p>b) $5x - 2x = 8 + 10$ or $2x - 5x = -10 - 8$</p> <p>6</p>	<p>NI¹</p> <p>KI</p> <p>NI</p>	<p>3</p>
<p>8</p>	<p>$3x + 12y$ or $-x - 5y$</p> <p>$2x + 7y$</p>	<p>KI</p> <p>NI</p>	<p>2</p>
<p>9</p>	<p>Any two sides correctly drawn</p> <p>Correct shape</p> <p>Accurate drawing</p> <p>Note: Accept sketch or dotted answer</p>	<p>KI</p> <p>KI</p> <p>KI</p> <p>KIKINO</p>	<p>3</p>

17	<p>a) $128^\circ \pm 1^\circ$</p> <p>b) i) Construction of 90° at T Line TU drawn Construction of 120° at V Line VU drawn</p> <p>ii) 5.9 ± 0.1 cm</p>	<p><i>NI</i></p> <p><i>KI</i></p> <p><i>KI</i></p> <p><i>KI</i></p> <p><i>KI</i></p> <p><i>NI</i></p>	<p></p> <p></p> <p></p> <p></p> <p></p> <p>6</p>
18	<p>a^{-2} or equivalent</p> <p>1</p>	<p><i>KI</i></p> <p><i>NI</i></p>	<p></p> <p>2</p>
19	<p>a) 2</p> <p>b) 3^{-2} or 3^4</p> <p>9</p>	<p><i>NI</i></p> <p><i>KI</i></p> <p><i>NI</i></p>	<p></p> <p></p> <p>3</p>
20	<p>LM = 18 or seen in diagram or $\frac{4}{5} \times 30$</p> <p>24</p>	<p><i>PI</i></p> <p><i>NI</i></p>	<p></p> <p>2</p>