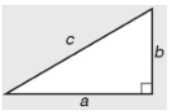
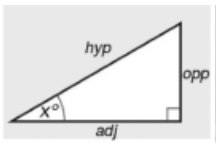
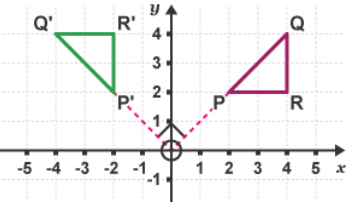
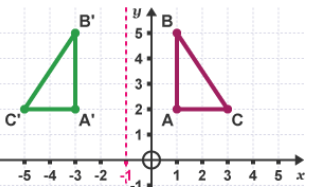
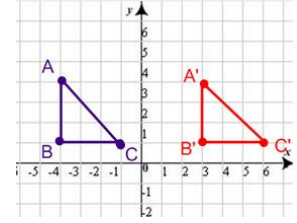


Unit 15 – Pythagoras

No.	Question	Answer
15.1	What is Pythagoras Theorem? 	$a^2 + b^2 = c^2$ Used to find a missing side in right angled triangles when you know two sides
15.2	What is the hypotenuse?	Longest side in a right angled triangle (c)
15.3	What is trigonometry? 	Used to find missing sides or angles in right angled triangles
15.4	What is the sin θ ratio?	$\frac{opp}{hyp}$
15.5	What is the cos θ ratio?	$\frac{adj}{hyp}$
15.6	What is the tan θ ratio?	$\frac{opp}{adj}$
15.7	What is the value of sin 30?	$\frac{1}{2}$
15.8	What is the value of cos 60?	$\frac{1}{2}$
15.9	What is the value of tan 45?	1

Date (week commencing)	Numbers to learn

Unit 16 – transformations

No.	Question	Answer	Example
16.1	Rotation	Must include: <ul style="list-style-type: none"> Centre of rotation Direction Degrees 	<i>This shape has been rotated from centre (0,0) anti-clockwise 90°</i> 
16.2	Reflection	Must include: <ul style="list-style-type: none"> Line of symmetry 	<i>This shape has been reflected in the line $x = -1$</i> 
16.3	Translation	Must include: <ul style="list-style-type: none"> Vector e.g. <ul style="list-style-type: none"> $\begin{pmatrix} 2 \\ 5 \end{pmatrix}$ 2 right, 5 up $\begin{pmatrix} -2 \\ -5 \end{pmatrix}$ 2 left, 5 down 	<i>This shape has been translated by vector $\begin{pmatrix} 7 \\ 0 \end{pmatrix}$</i> 
16.4	$\begin{pmatrix} a \\ b \end{pmatrix}$	a right, b up	
16.5	$\begin{pmatrix} -a \\ -b \end{pmatrix}$	a left, b down	

Unit 17 - proof

No.	Question	Answer
17.1	The four tests for congruence are	SSS ASA SAS RASH