Question			Answer	Marks	AO	Guidance
8	(a)		Stretch in the x-direction scale factor ½	B1 B1 [2]	1.1a 1.1	Allow stretch parallel to the x-axis. Do not accept enlargement (See exemplars)
	(b)		**DR** $3\sin 2x = 5\cos 2x$ gives $\tan 2x = \frac{5}{3}$ So $2x = 59.0°$ $x = -150.5°, -60.5°, 29.5°, 119.5°$	M1 A1 A1 [3]	2.1 1.1 1.1	Uses trig identity. May be implied by $\tan 2x = \frac{5}{3}$ or $\tan 2x = \frac{3}{5}$ if the fraction $\frac{\sin 2x}{\cos 2x}$ is not seen At least one correct root All correct roots No extras in the range $-180° \leq x \leq 180°$ Ignore further answers outside the interval

Response	Mark
Stretch in x-axis	**B1**
By ½	**B0**
Stretch ½ in x	**B1B0**
Squashed in x-direction sf ½	**B0B1**
A change in the x coords by multiplying the x-coordinates by 0.5	**B0B1**
Enlargement scale factor ½	**B0B1**