Question	Working	Answer	Mark	Notes
15 (a)	e.g. $\frac{1}{2}\times(x+5+3x-2)\times(2x-3)$ or $0.5(4x + 3)(2x – 3)$ oe			M1 correct algebraic expression for area
	eg. $\frac{1}{2}\times(8x^2-12x+6x-9)=133$ or $8x^2 − 12x + 6x – 9 = 266$	shown	3	M1 for correct equation with brackets expanded A1 for completion to given equation dep on M2
(b)	$\frac{--6\pm\sqrt{36--8800}}{2\times8}$ **or** $\frac{6\pm\sqrt{36+8800}}{16}$ **or** $\frac{6\pm\sqrt{8836}}{16}$ **or** $(4x − 25)(2x + 11)$ (=0)			M2 If not M2 then award M1 for $\frac{--6\pm\sqrt{(-6)^2-4\times8\times-275}}{2\times8}$ Condone one sign error in substitution; allow evaluation of individual terms e.g. 36 in place of $(−6)^2$ [allow $−6^2$ or 6^2 in place of $(−6)^2$, throughout allow + rather than ±] **or** $(4x ± 25)(2x ± 11)$ (=0) (if student gains M1 and shows both answers the 2nd M1 can be awarded) ft from an incorrect 3 term quadratic equation
		6.25 oe	3	A1 dep on M1 **and** 6.25 oe alone given as final answer