Question	Scheme	Marks	AOs
4(a)	$\sqrt{3^2+12^2}$	M1	1.1b
	$=3\sqrt{17}$	A1	1.1b
		(2)	
(b)	$6b-9a=-3$ and $15a+4b=12 \rightarrow a=...$ or $b=...$	M1	3.1a
	One of $a=\frac{2}{3}$ or $b=\frac{1}{2}$	A1	1.1b
	$a=\frac{2}{3}$ and $b=\frac{1}{2}$	A1	1.1b
		(3)	
			(5 marks)

Notes

(a)

M1: Attempts Pythagoras' theorem correctly by squaring and adding before taking the square root.

A1: $3\sqrt{17}$ cao

(b)

M1: Forms and solves two correct simultaneous equations leading to a value for *a* or *b*. Condone sign slips.

A1: $a=\frac{2}{3}$ or $b=\frac{1}{2}$

A1: $a=\frac{2}{3}$ and $b=\frac{1}{2}$