Question	Scheme	Marks	AOs
1	$$7 = \frac{1}{2} \times \left(6 - \sqrt{8}\right) \times h$$	B1	1.1b
	$$h = \frac{14}{6 - \sqrt{8}} \times \frac{6 + \sqrt{8}}{6 + \sqrt{8}}$$	M1	3.1a
	$$= \frac{84 + 14\sqrt{8}}{28} = \frac{84 + 28\sqrt{2}}{28} = 3 + \sqrt{2}$$	A1	2.1
		(3)	
		(3 marks)	

Notes:

B1: A correct equation involving the area, h and the $\left(6 - \sqrt{8}\right)$ e.g. $h = \dfrac{14}{6 - \sqrt{8}}$

Condone the omission of $h =$ if they have already rearranged, e.g. $(h =) \dfrac{7}{3 - \sqrt{2}}$

M1: A complete method to find h in a rationalised form.

May be for e.g. $2 \times \dfrac{7}{6 - \sqrt{8}} \times \dfrac{6 + \sqrt{8}}{6 + \sqrt{8}}$

Multiplication by any of $\dfrac{6 + \sqrt{8}}{6 + \sqrt{8}}$, $\dfrac{6 + 2\sqrt{2}}{6 + 2\sqrt{2}}$ or $\dfrac{3 + \sqrt{2}}{3 + \sqrt{2}}$ would be acceptable for rationalising.

A1: cso. Requires the rationalising of the denominator and simplification of the $\sqrt{8}$ to be seen.