

Question	Answer	Mark	Mark scheme	Additional guidance
20	1600	P1	for process to find BD , eg $BD = \sqrt{14^2 + 14^2}$ or $\sqrt{392}$ or $14\sqrt{2}$ or $19.7(9\dots)$ or $\sqrt{7^2 + 7^2}$ or $\sqrt{98}$ or $7\sqrt{2}$ or $9.8(9\dots)$	Check diagram for working Other methods are possible for first 2 P marks but only award the mark at the point of an equation with the correct length as the only unknown [BD] must be clearly identified but cannot be 14
		P1	for correct process to use trigonometry to find perpendicular height, eg $\tan 68 = \frac{h}{"19.7(9\dots)" \div 2}$ or $\tan 68 = \frac{h}{[BD] \div 2}$	
		P1	for process to find the volume of a pyramid, eg $(V =) \frac{1}{3} \times 14^2 \times "24.5\dots"$ oe	
		A1	for answer in the range 1594 to 1601	