2

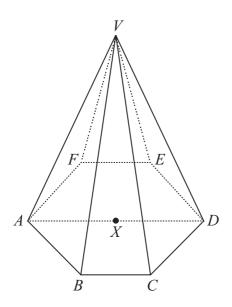


Diagram **NOT** accurately drawn

Figure 1

Figure 1 shows a right pyramid with vertex V and base ABCDEF which is a regular hexagon. The diagonal AD of the base is 10 cm and X is the mid-point of AD. The height VX of the pyramid is 12 cm.

((a)	Find	the	length	of	VA.

(2)

(b) Find,	in degrees	s to 1	decimal	place,	the size	of the	angle	between	the	plane	VAB	and
the ha	ase											

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Question 2 continued	



Question 2 continued	
	(Total for Question 2 is 6 marks)