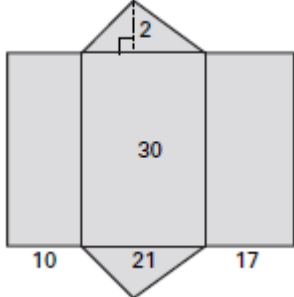
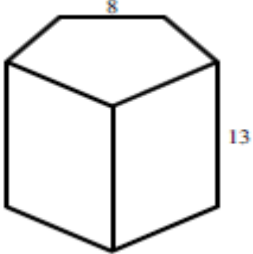
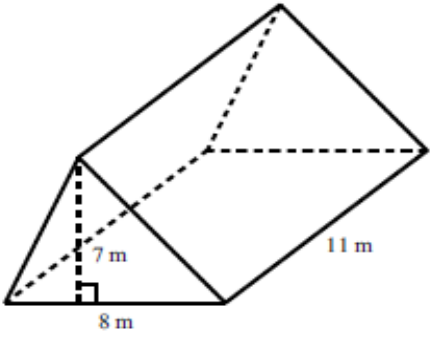
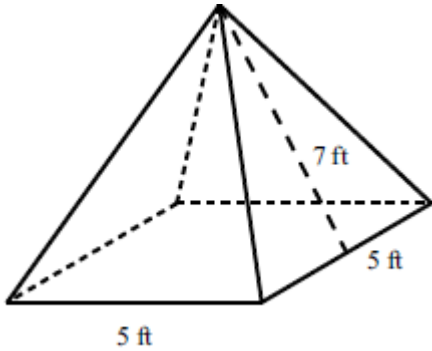


Show all steps leading to your answer. Unsupported answers will not receive full marks. Write your final answers in the space provided at right and show all working in the space next/below each problem.

Note that the number in square brackets indicates the number of marks for each question.

Question	Answer
<p>1. Refer to the net for a right triangular prism at right. Find the value of each quantity in order to calculate surface area.</p> <p>a. B (area of base)</p> <p>b. perimeter</p> <p>c. L (lateral area)</p> <p>d. Surface area</p>	 <p>1. a. _____ b. _____ c. _____ d. _____</p> <p>[8 marks total]</p>
<p>2. Find the lateral surface area of this right prism whose bases are regular pentagons. Dimensions are in meters.</p> 	<p>[3 marks]</p> <p>Lateral Area _____</p>
<p>3. Find the volume of the triangular prism.</p> 	<p>[3 marks]</p> <p>Volume _____</p>

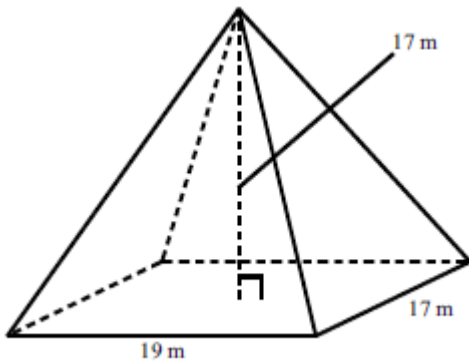
4. Find the surface area of the solid.



[3 marks]

Surface Area _____

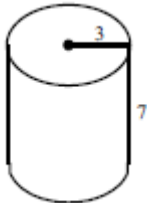
5. Calculate the volume of the pyramid.



[3 marks]

Volume _____

6. What is the surface area of this right cylinder? Dimensions are in meters. Use 3.14 for π .



[3 marks]

Surface Area _____

7. The volume of a cylindrical can is 169.6 cubic inches. If the diameter is 6 inches, find the height. Use 3.14 for π .

[3 marks]

Volume _____