

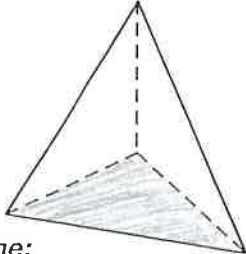
# Who Turns Out the Lights on Halloween?

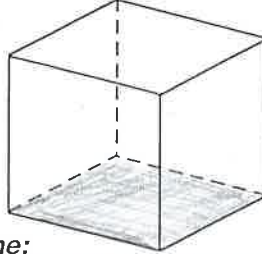
Key

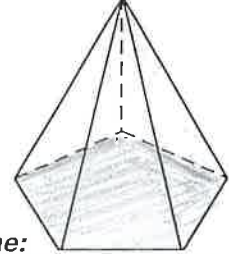


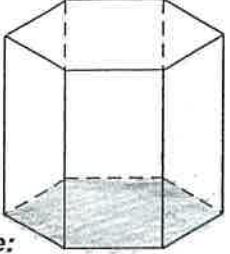
Write the name that best describes the space figure. Then fill in the other blanks as indicated. Find the name in the answer column. Write the letter next to it in the box at the bottom of the page that contains the other required information.

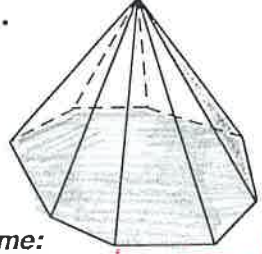
For Figures 1-9, write the name and the number of faces (F), vertices (V), and edges (E).

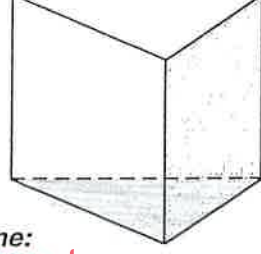
1.   
 name: Triangular Pyramid  
 F: 4 V: 4 E: 6

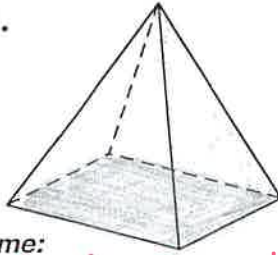
2.   
 name: Rectangular prism  
 F: 6 V: 8 E: 12

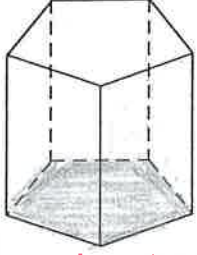
3.   
 name: Pentagonal pyramid  
 F: 6 V: 6 E: 10

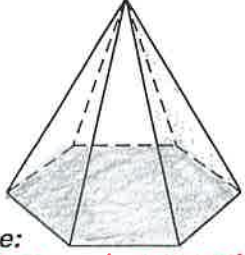
4.   
 name: Hexagonal prism  
 F: 8 V: 12 E: 18

5.   
 name: Octagonal pyramid  
 F: 9 V: 9 E: 16


6.   
 name: Triangular prism  
 F: 5 V: 6 E: 9


7.   
 name: Rectangular pyramid  
 F: 5 V: 5 E: 8


8.   
 name: Pentagonal prism  
 F: 7 V: 10 E: 15

9.   
 name: Hexagonal pyramid  
 F: 7 V: 7 E: 12

For Figures 10-12, write the name and the number of bases (B).

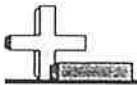
10.   
 name: cylinder B: 2

11.   
 name: sphere B: 0

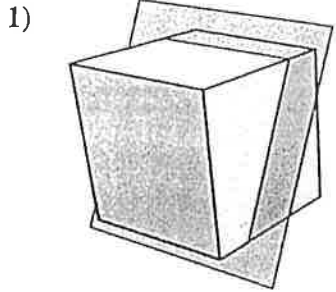
12.   
 name: Cone B: 1

- names:
- I triangular prism
  - T rectangular prism
  - A pentagonal prism
  - H hexagonal prism
  - N octagonal prism
  - L cylinder
  - T sphere
  - I triangular pyramid
  - H rectangular pyramid
  - S pentagonal pyramid
  - C hexagonal pyramid
  - G octagonal pyramid
  - W cone

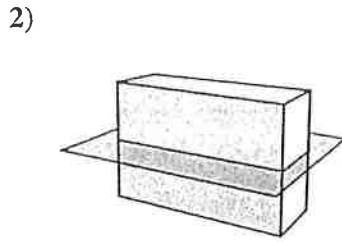
7, 10, 15	7, 9, 14	2	4, 4, 6	9, 9, 16	5, 5, 8	0	6, 6, 10	3	1	5, 6, 9	6, 8, 12	7, 7, 12	8, 12, 18
A		L	I	G	H	T	S		W	I	+	C	h



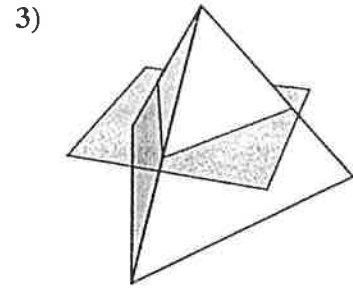
Determine the 2d shape that would be created if the 3d shape were sliced as shown.



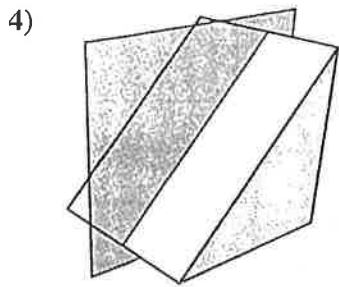
rectangle



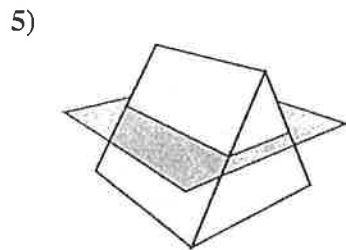
rectangle



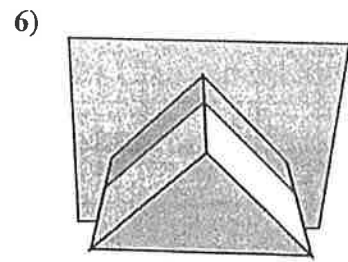
triangle



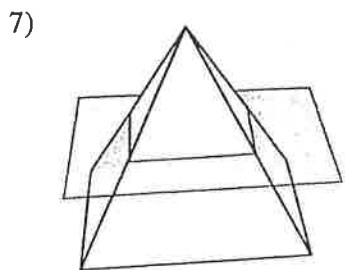
triangle



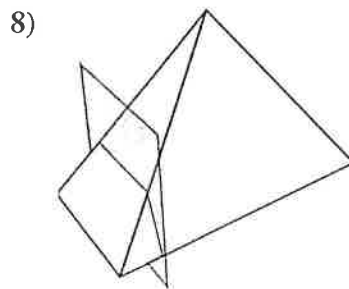
rectangle



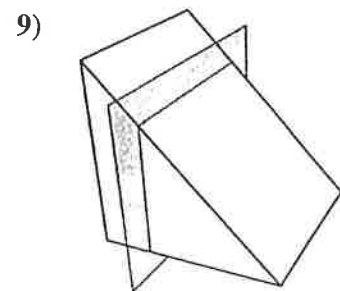
triangle



rectangle



trapezoid



rectangle