

Faces, Edges and Vertices

1. Fill in the blanks to complete each statement:

- a. A cube has ____ faces, ____ edges, and ____ vertices.
- b. A rectangular prism has ____ faces, ____ edges, and ____ vertices.
- c. A triangular pyramid has ____ faces, ____ edges, and ____ vertices.
- d. A cylinder has ____ faces, ____ edges, and ____ vertices.
- e. A sphere has ____ faces, ____ edges, and ____ vertices.

2. Indicate whether each statement is true (T) or false (F):

- a. A cube has 8 vertices.
- b. A triangular pyramid has 5 faces.
- c. A cylinder has 4 faces.
- d. A pentagonal pyramid has 5 edges.

3. Match each expression on the left with its simplified form on the right:

Column A	Column B
i. Hexagonal Prism	A. Has 8 faces.
ii. Octahedron	B. Has 8 faces.
iii. Triangular Pyramid	C. Has 4 faces.
iv. Square Pyramid	D. Has 5 faces.
V. Pentagonal Pyramid	E. Has 6 faces.