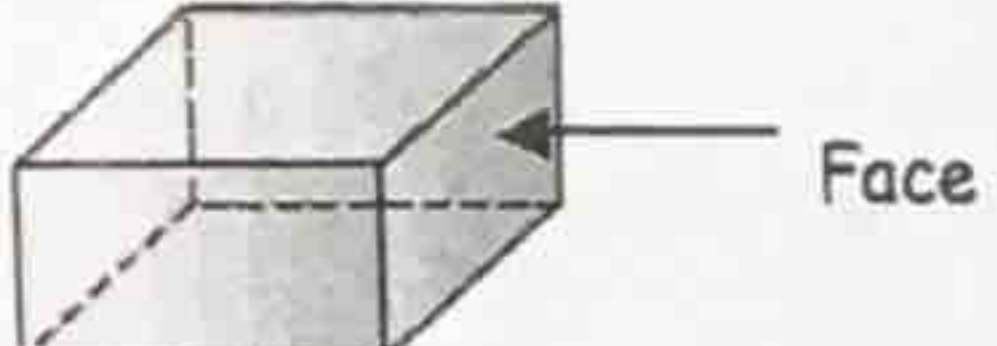
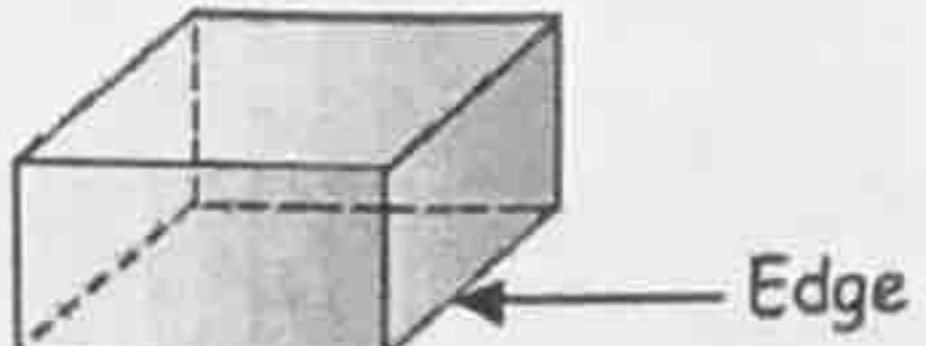
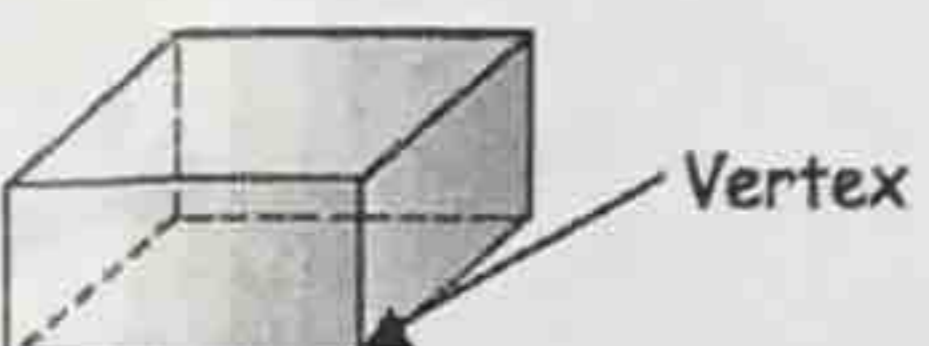


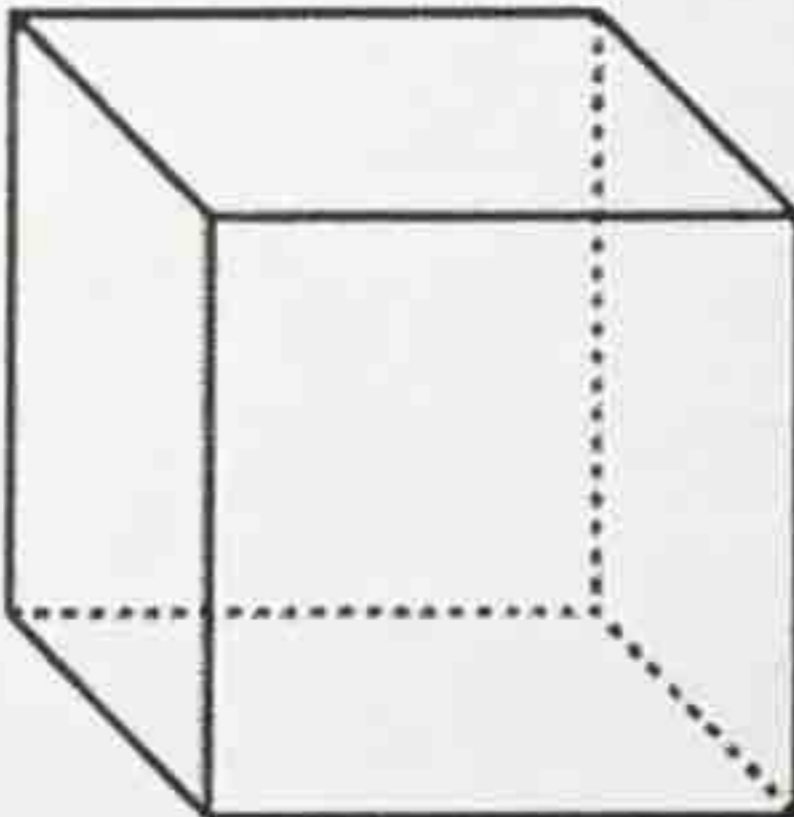
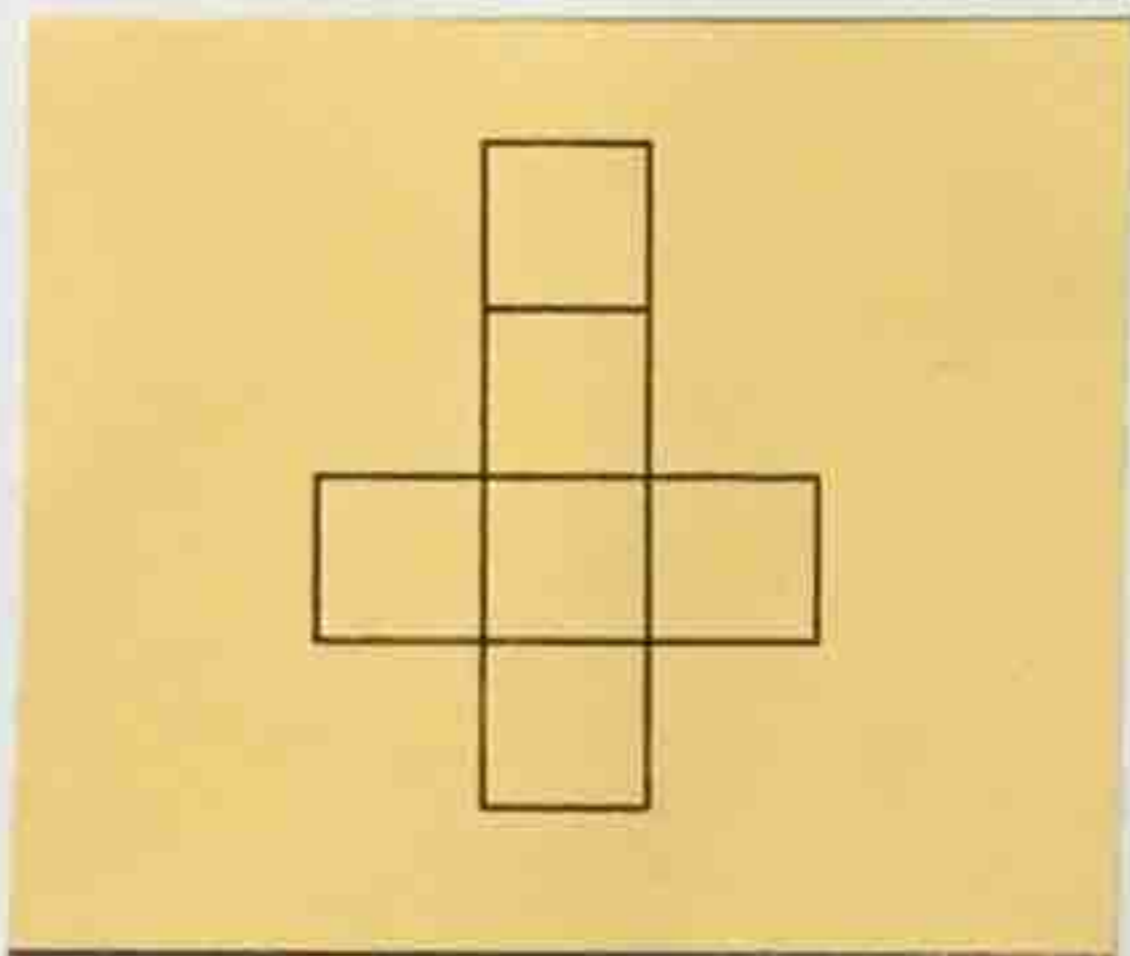
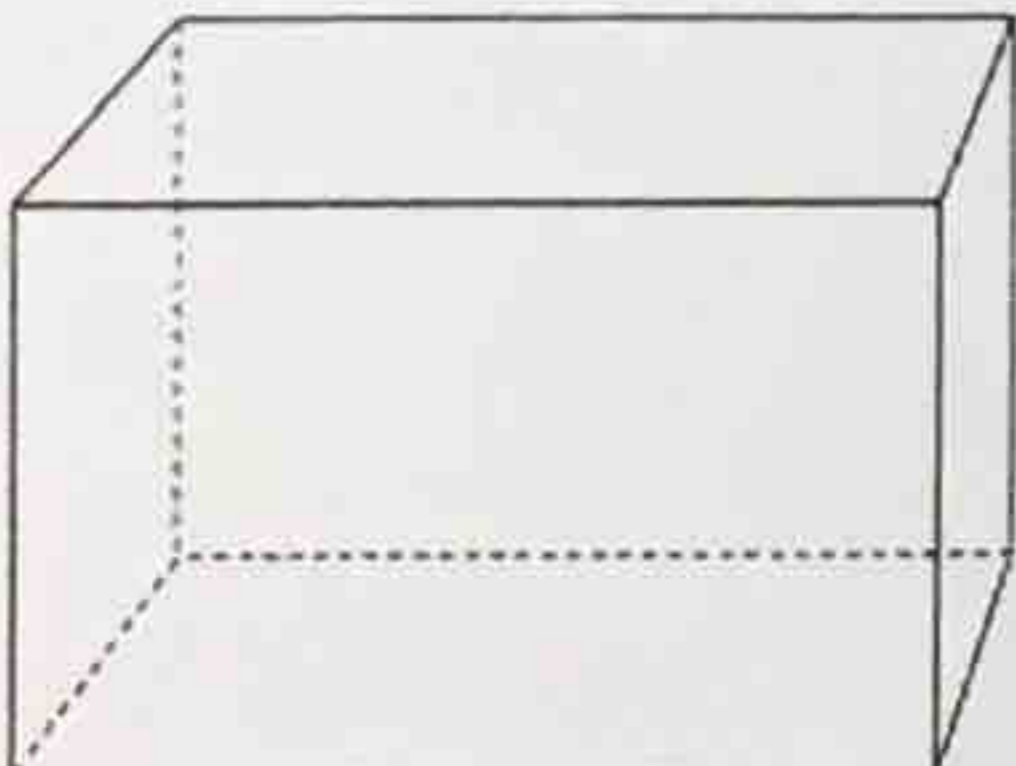
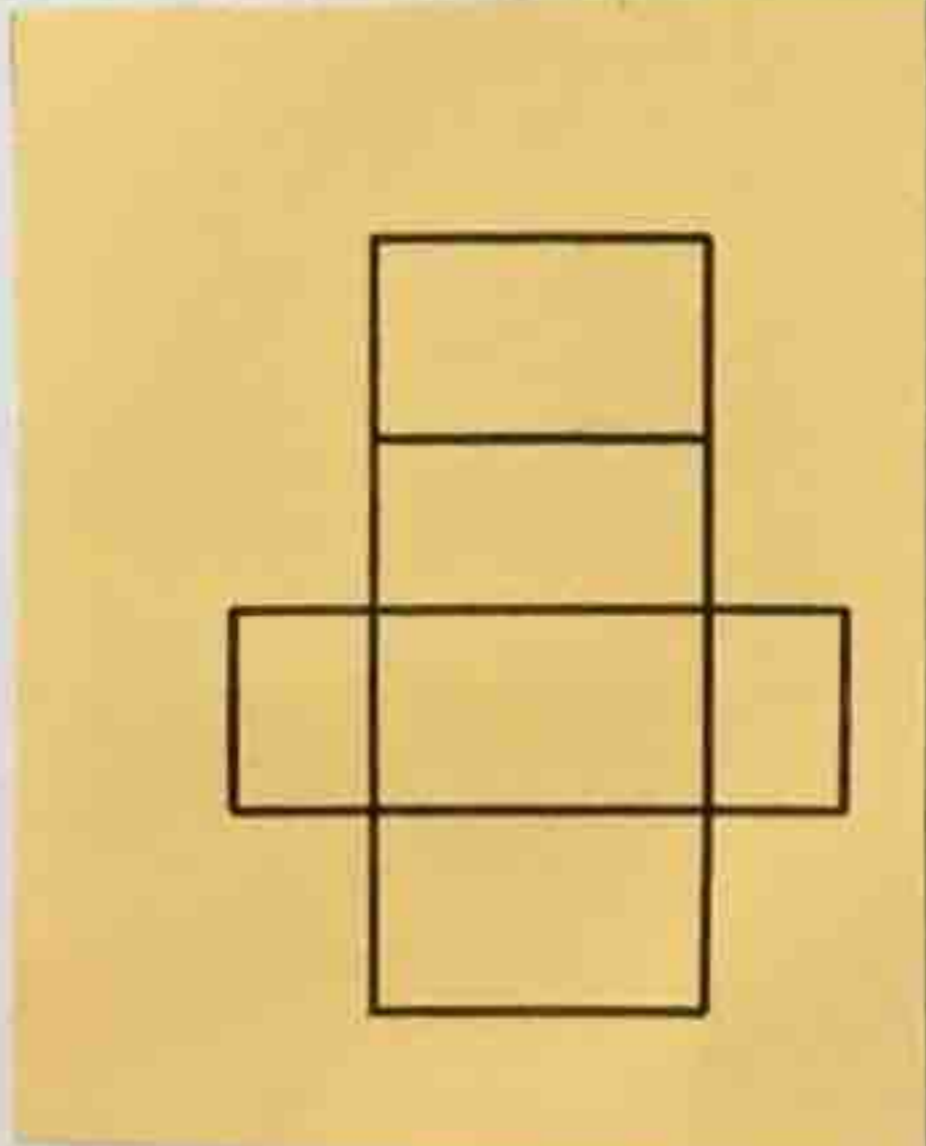
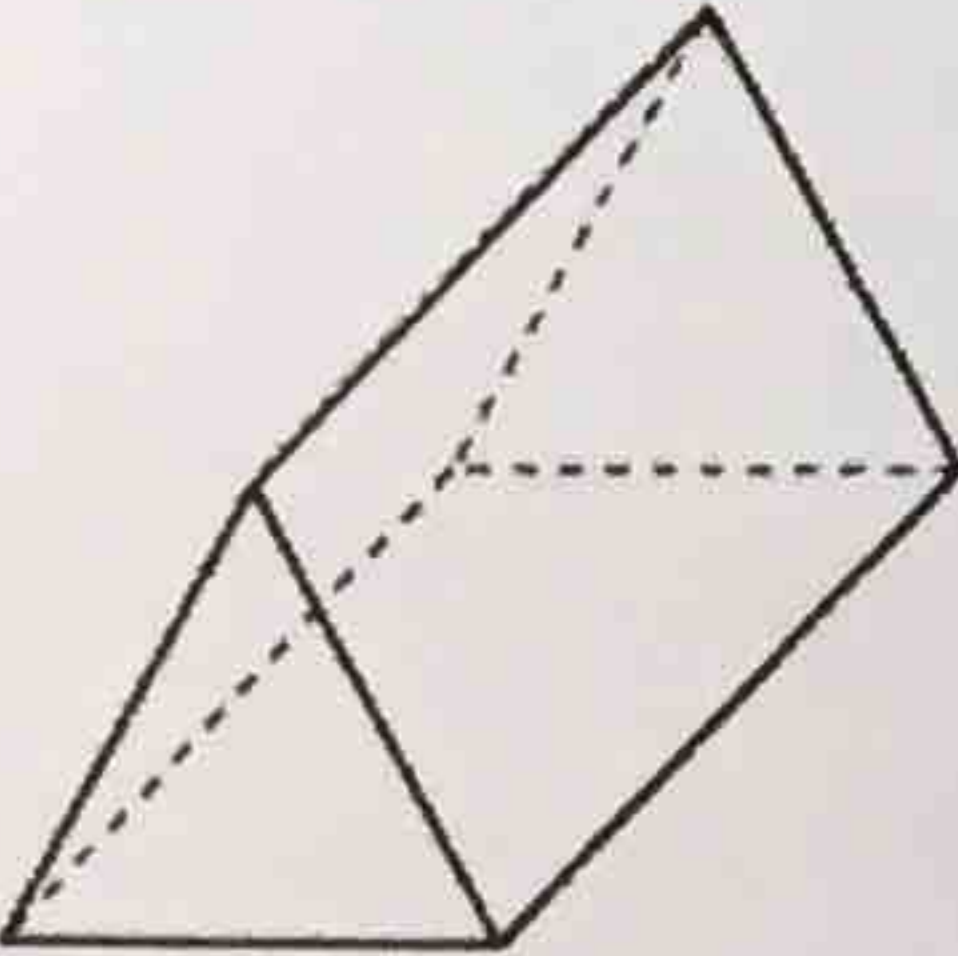
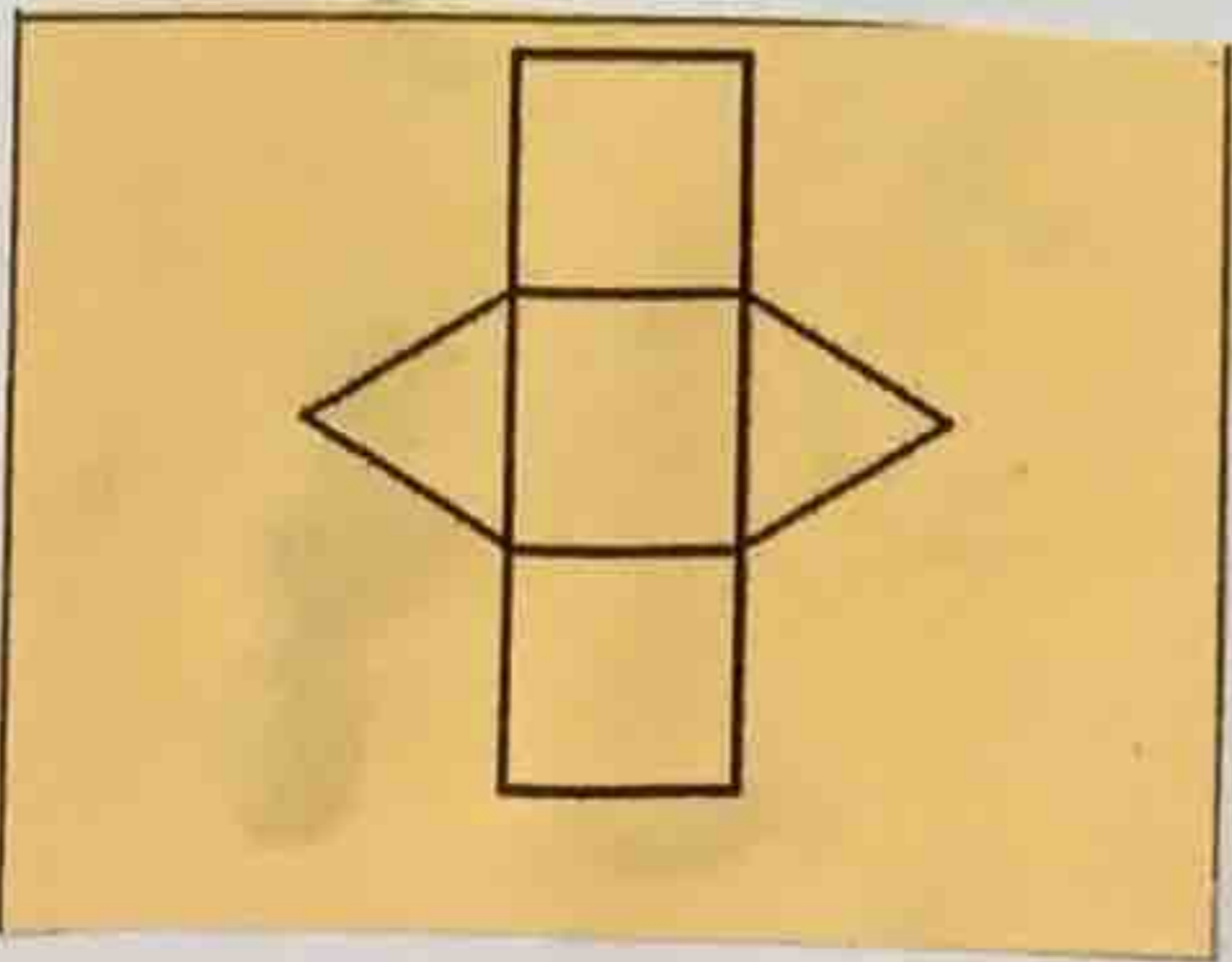
Notes - 3D Figures

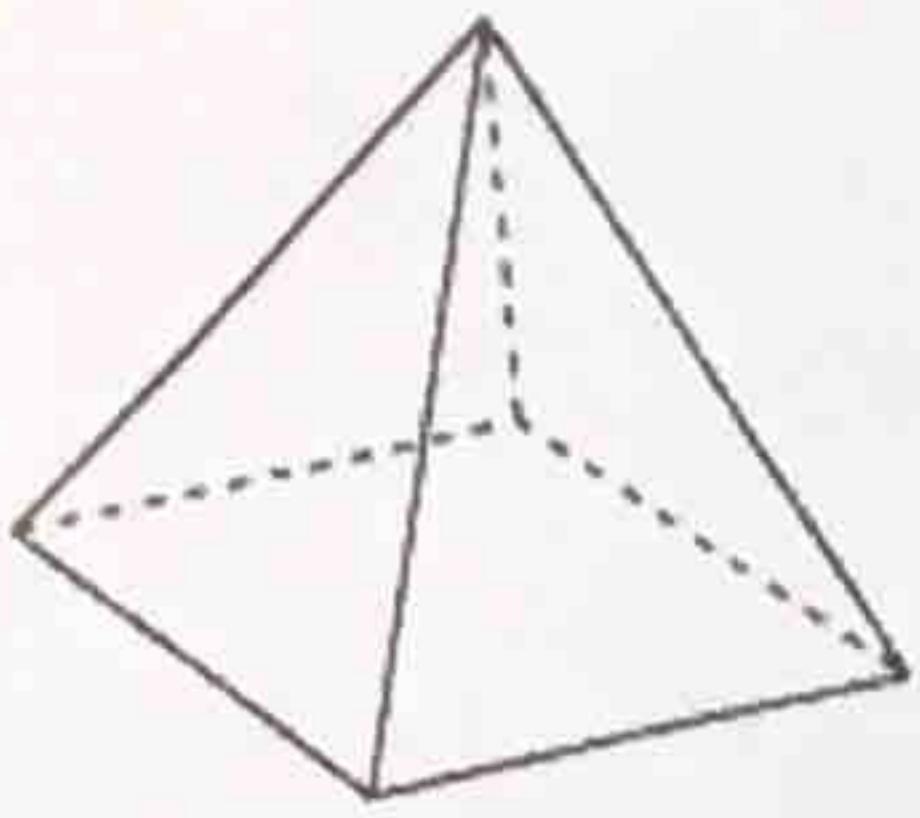
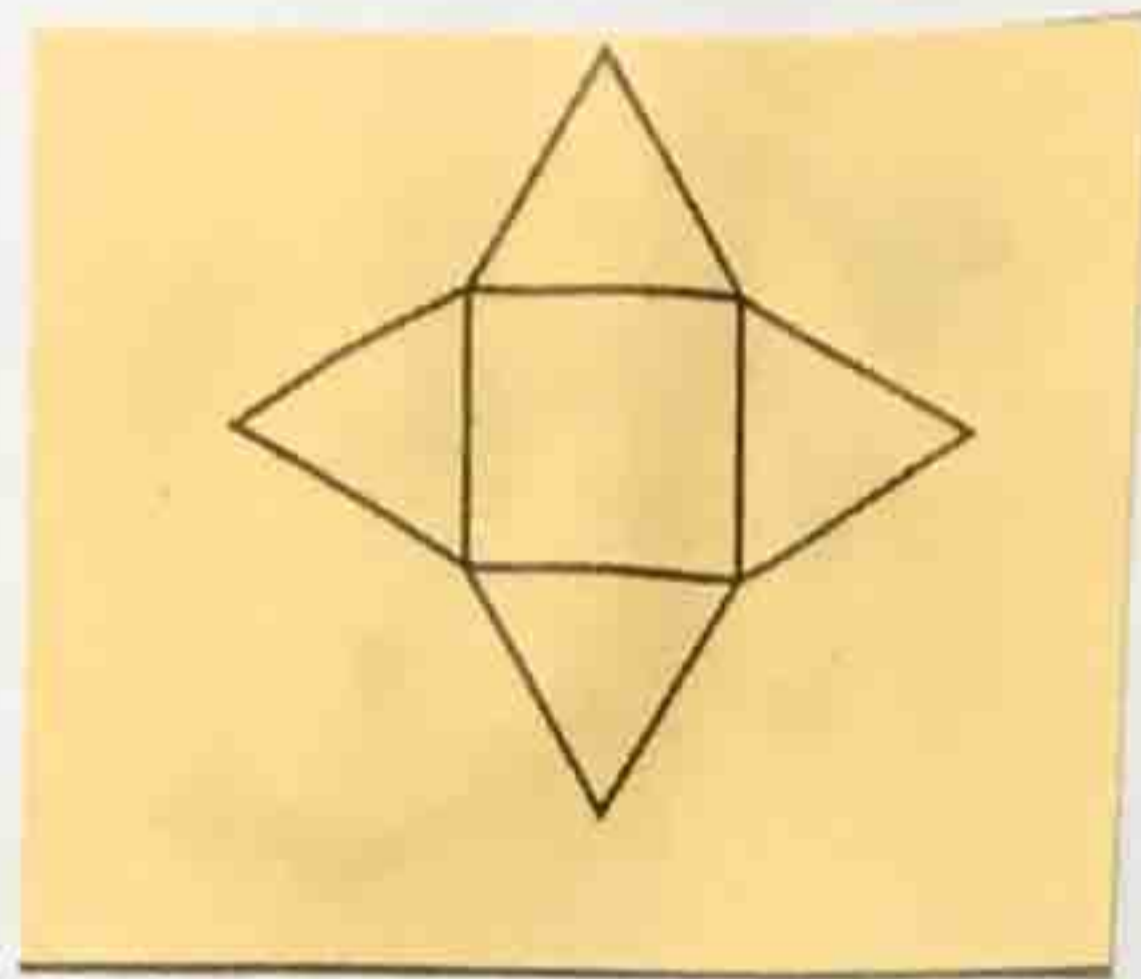
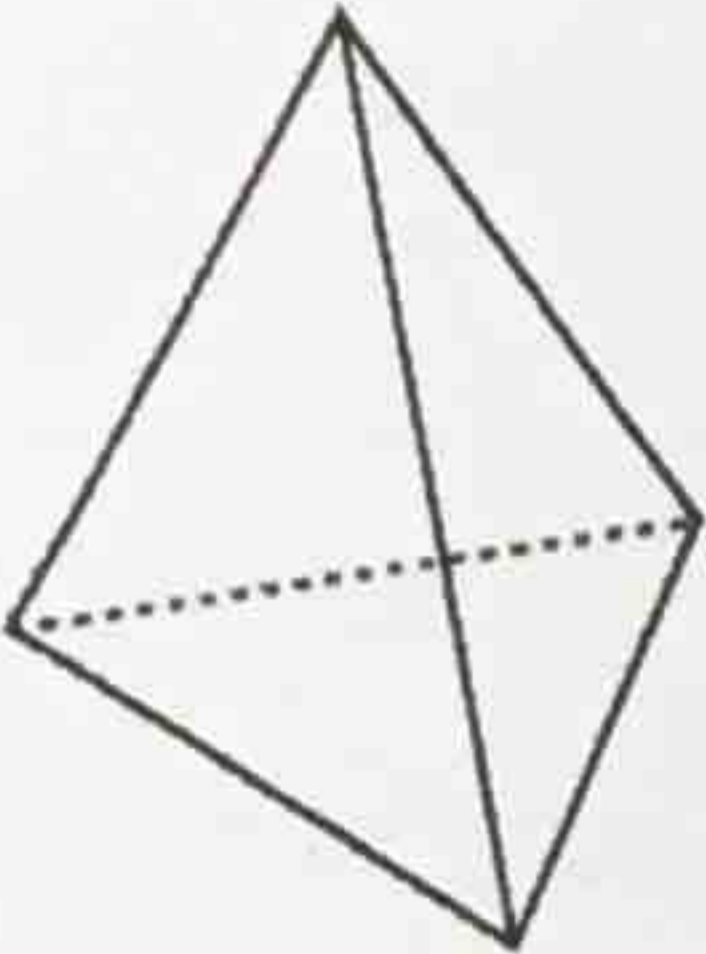
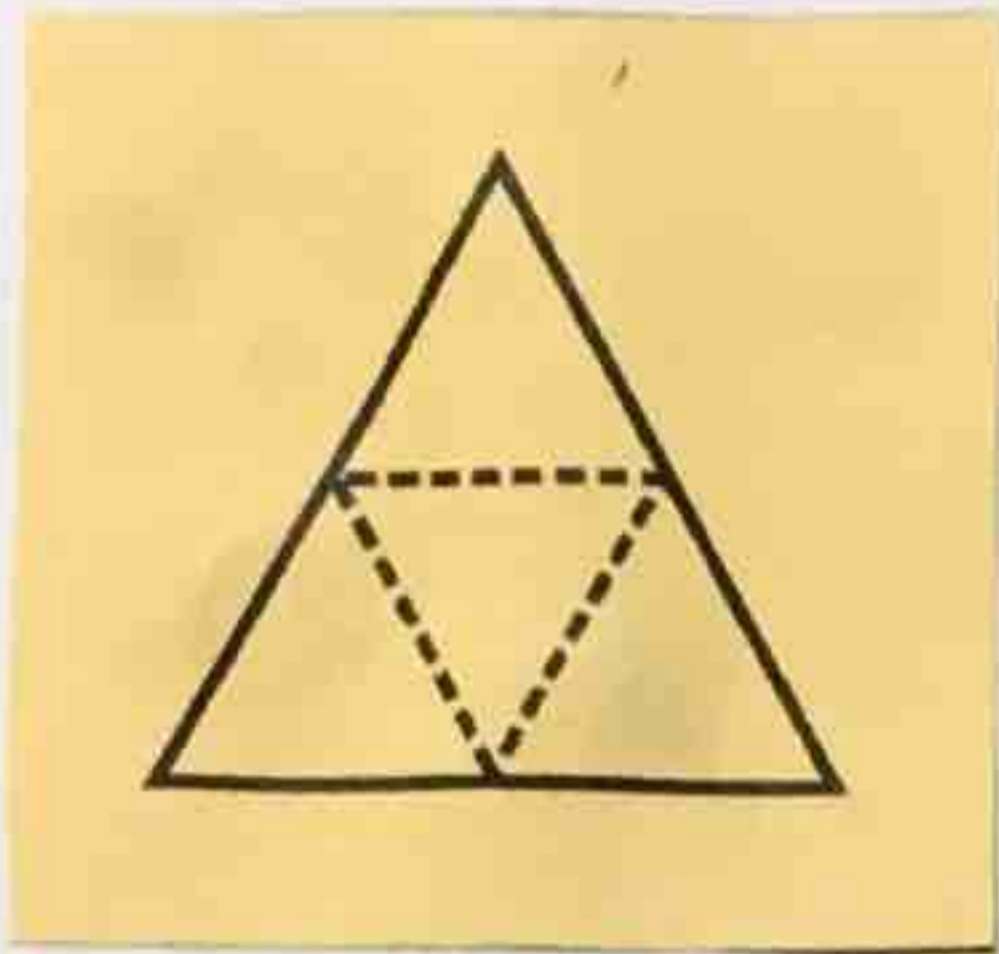
Name: _____

| Face | Edge | Vertex |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <p>A <u>flat</u> surface of a polyhedron.</p> | <p>The line segment which <u>2</u> faces <u>intersect</u>.</p> | <p>A <u>point</u> where <u>3</u> or more edges intersect.</p> |
|  |  |  |

Net: An arrangement of 2D figures that can be folded to form a 3D figure.

| Prisms | Pyramids |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> Have <u>two</u> identical bases. Named by the <u>shape</u> of their base. The sides of a prism are <u>rectangles</u>. | <ul style="list-style-type: none"> Have only <u>one</u> base. Named by the <u>shape</u> of their base. The sides of a pyramid are <u>triangles</u>. |

| 3D Figure | Net | Properties of Figure |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p>Shape of Base: <u>Square</u></p> <p>Name of Figure: <u>Cube</u></p> <p><u>6</u> Faces <u>8</u> Vertices <u>12</u> Edges</p> |
|  |  | <p>Shape of Base: <u>Rectangle</u></p> <p>Name of Figure: <u>Rectangular Prism</u></p> <p><u>6</u> Faces <u>8</u> Vertices <u>12</u> Edges</p> |
|  |  | <p>Shape of Base: <u>Triangle</u></p> <p>Name of Figure: <u>Triangular Prism</u></p> <p><u>5</u> Faces <u>6</u> Vertices <u>9</u> Edges</p> |

| 3D Figure | Net | Properties of Figure |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | Shape of Base: <u>Square</u> Name of Figure: <u>Square Pyramid</u> - <u>5</u> <u>5</u> <u>8</u> Faces Vertices Edges |
|  |  | Shape of Base: <u>Triangle</u> Name of Figure: <u>Triangular Pyramid</u> - <u>4</u> <u>4</u> <u>6</u> Faces Vertices Edges |

Real-World Examples of 3D Figures

| <u>Cube</u> | <u>Triangular Prism</u> | <u>Cylinder</u> | <u>Sphere</u> | <u>Cone</u> | <u>Pyramid</u> |
|-------------|-----------------------------------|-----------------|---------------|-----------------------------------|----------------------|
| dice | Toblerone pizza slice boxes | soap can | basketball | ice cream cone Hershey kiss | Pyramids in Egypt |