**ANSWERS**

**Identify each figure as two-dimensional or three-dimensional.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1.** |  | **2.** |  | **3.** |  |
|  | 2-D  Circle |  | 3-D  Prism |  | 3-D  Cone |

**Draw a net for each figure and then list what 2D shapes you would need to make each one.**

|  |  |  |  |
| --- | --- | --- | --- |
| **4.** |  | **5.** |  |
|  |  |  |  |
|  | 2 squares  4 rectangles |  | 4 triangles  1 rectangle |

**Name a three-dimensional figure that can be formed from each net.**

|  |  |  |  |
| --- | --- | --- | --- |
| **6.** |  | **7.** |  |
|  | Pentagonal Prism |  | Cone |
| **8.** | Triangular Prism | **9.** | Hexagonal Pyramid |
|  |  |  |  |
| **10.** |  | **11.** |  |
|  | Cylinder |  | Cube |

**Make an isometric drawing of each on isometric dot paper.**

|  |  |  |  |
| --- | --- | --- | --- |
| **12.** |  | **13.** |  |
|  |  |  |  |
| **14.** |  | **15.** |  |
|  |  |  |  |

**Make an orthographic drawing for each structure.**

|  |  |  |  |
| --- | --- | --- | --- |
| **16.** |  | **17.** |  |
|  | Top view  Front view      Right-side view |  | Top view      Front view      Right-side view |

**Use the orthographic drawing to make an isometric drawing of the structure.**

|  |  |  |  |
| --- | --- | --- | --- |
| **18.** | Top view Front view Right-side view | **19.** | Top view Front view Right-side view |
|  |  |  |  |

**Use isometric dot paper to draw each.**

|  |  |  |  |
| --- | --- | --- | --- |
| **20.** | A triangular prism. The bases are right triangles with a height of 2 units and a base of 3 units. | **21.** | A square prism that is 4 units high. The bases are squares with sides of 2 units. |
|  |  |  |  |