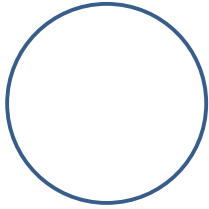


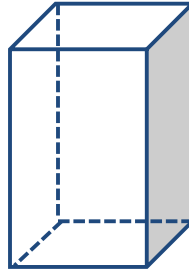
Nets and Drawings for Visualizing Geometry Assignment

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

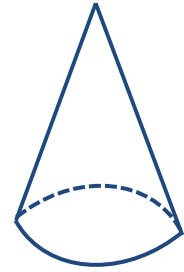
1.



2.



3.

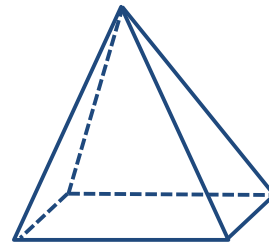


Draw a net for each figure and then list what 2D shapes you would need to make each one.

4.



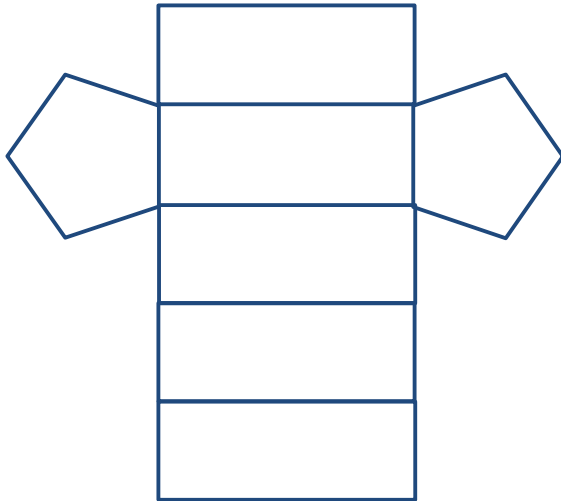
5.



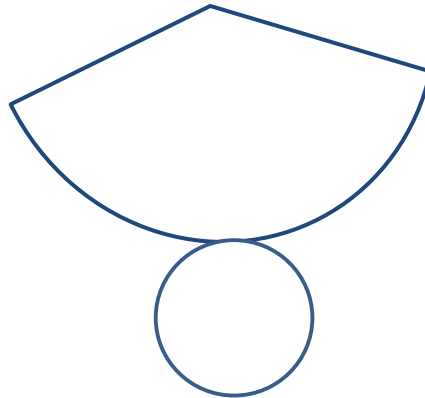
Nets and Drawings for Visualizing Geometry Assignment

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

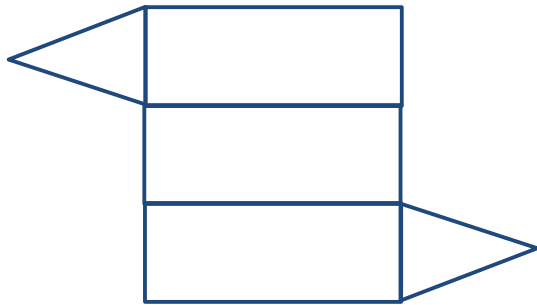
6.



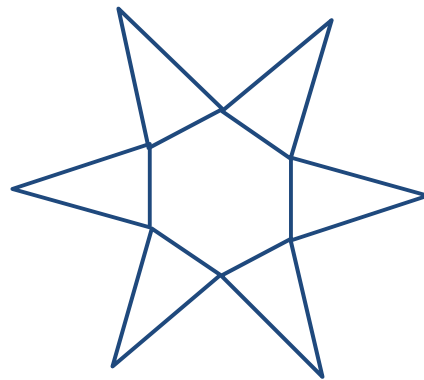
7.



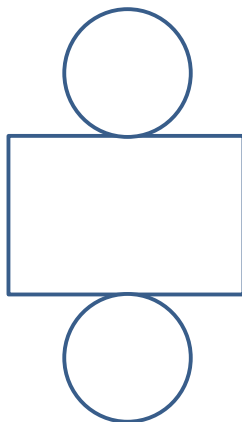
8.



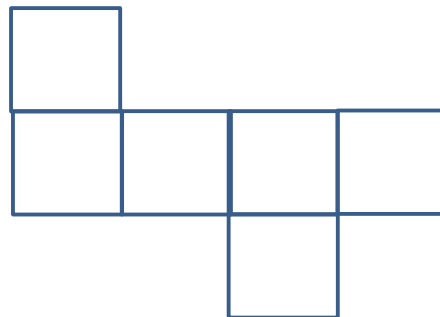
9.



10.



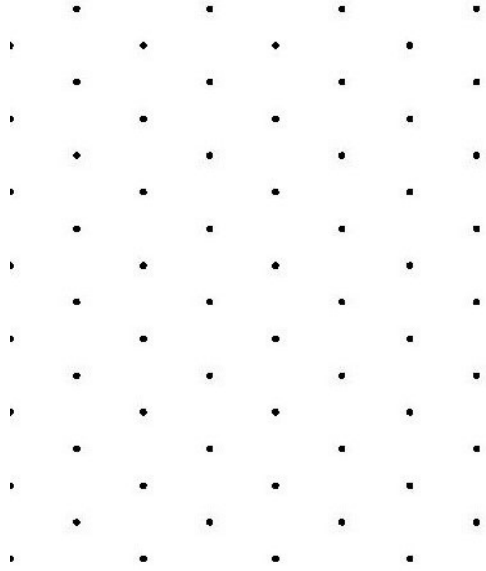
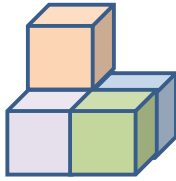
11.



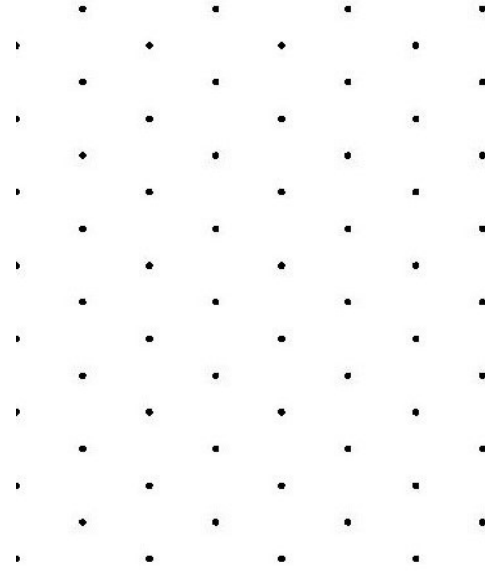
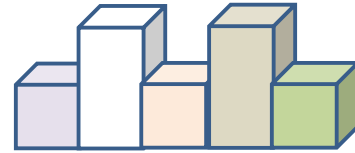
Nets and Drawings for Visualizing Geometry Assignment

Make an isometric drawing of each on isometric dot paper.

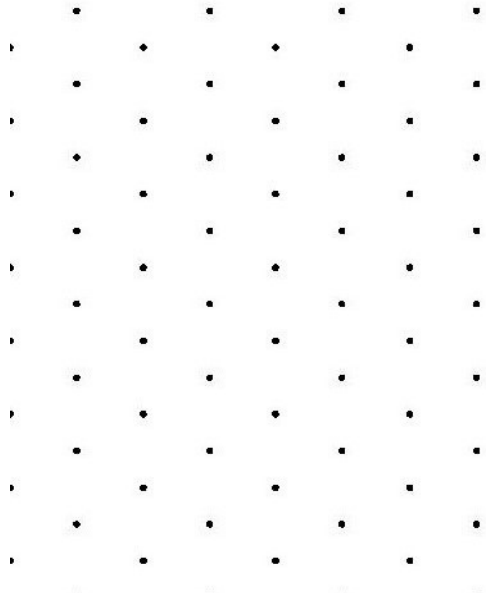
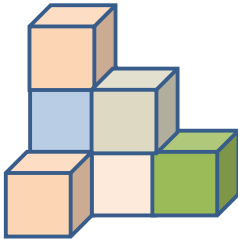
12.



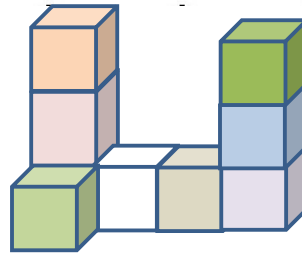
13.



12.



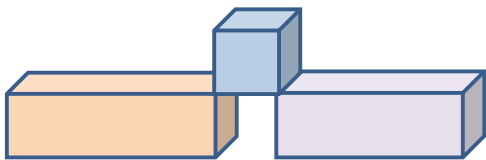
13.



Nets and Drawings for Visualizing Geometry Assignment

Make an orthographic drawing for each structure.

14.

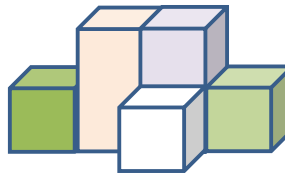


Top view

Front view

Right-side view

15.



Top view

Front view

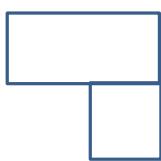
Right-side view

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

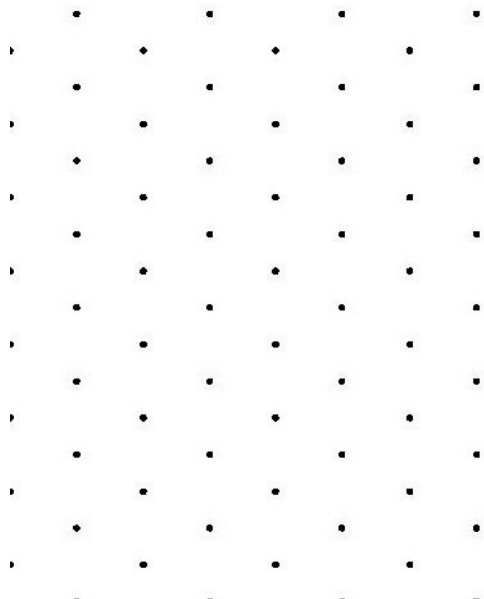
16. Top view



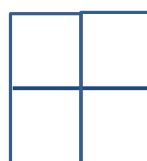
Front view



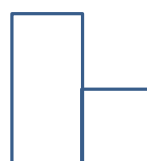
Right-side view



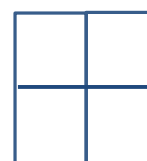
17. Top view



Front view



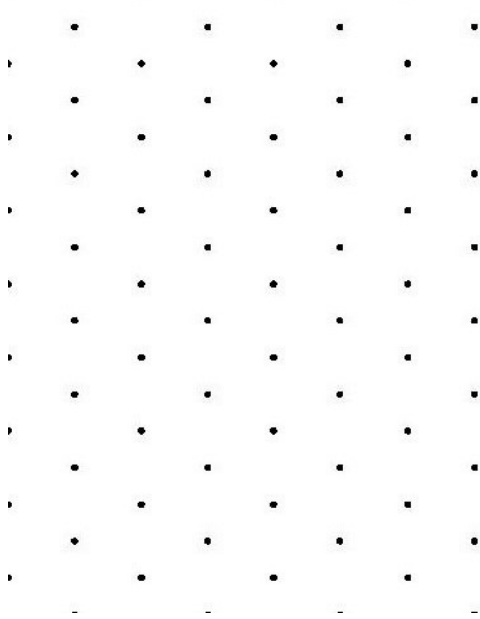
Right-side view



Nets and Drawings for Visualizing Geometry Assignment

Use isometric dot paper to draw each.

- 18.** A triangular prism that is 3 units high. The bases are right triangles with a height of 2 units and a base of 3 units.



- 19.** A square prism that is 4 units high. The bases are squares with side of 2 units.

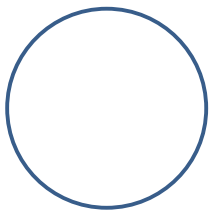


Nets and Drawings for Visualizing Geometry Assignment

ANSWERS

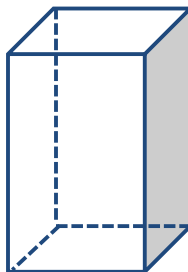
Identify each figure as two-dimensional or three-dimensional.

1.



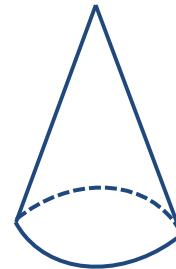
2-D
Circle

2.



3-D
Prism

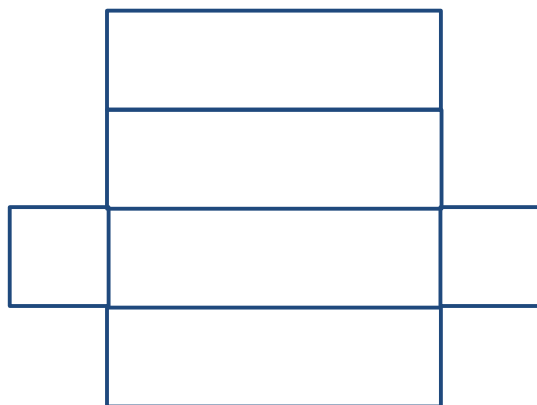
3.



3-D
Cone

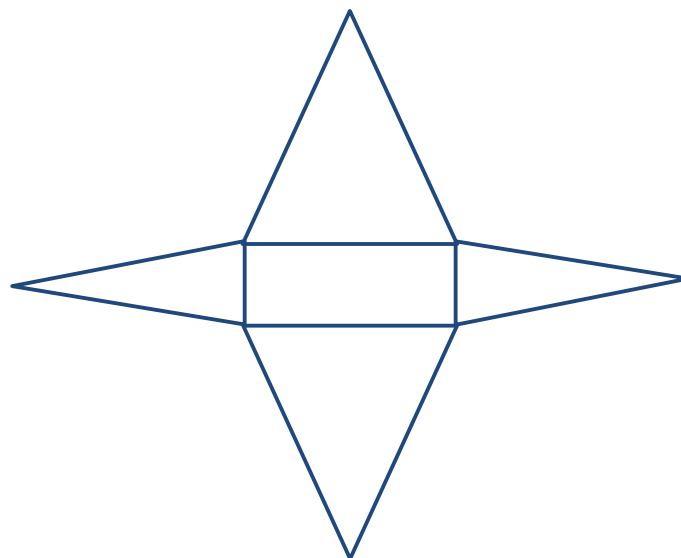
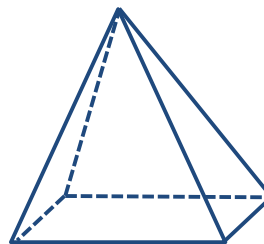
Draw a net for each figure and then list what 2D shapes you would need to make each one.

4.



2 squares
4 rectangles

5.

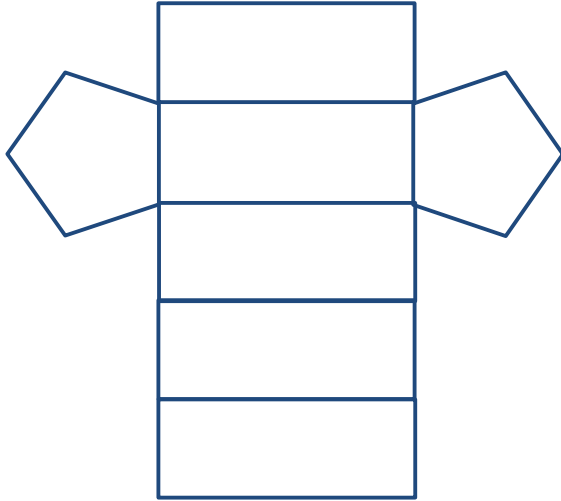


4 triangles
1 rectangle

Nets and Drawings for Visualizing Geometry Assignment

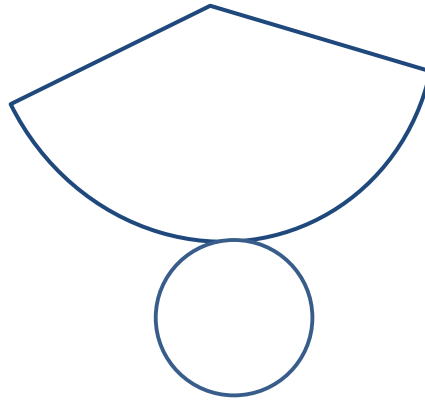
Name a three-dimensional figure that can be formed from each net.

6.



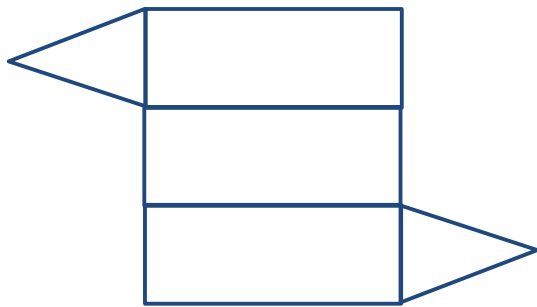
Pentagonal Prism

7.



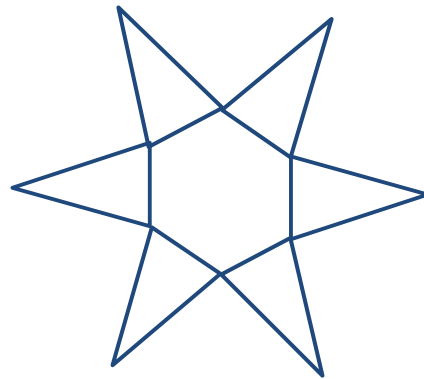
Cone

8.



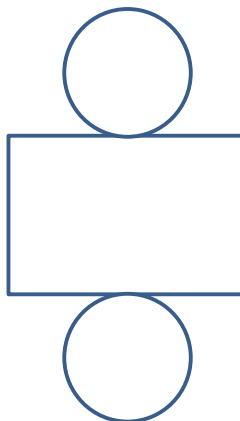
Triangular Prism

9.



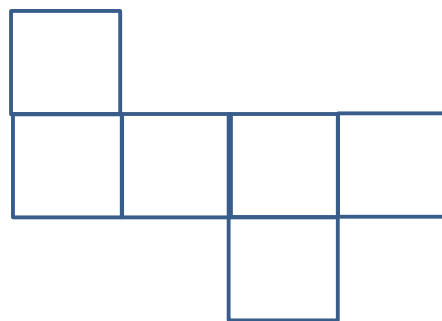
Hexagonal Pyramid

10.



Cylinder

11.

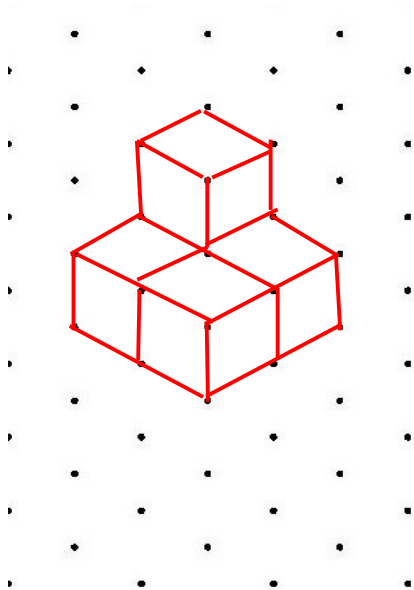
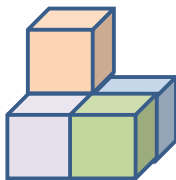


Cube

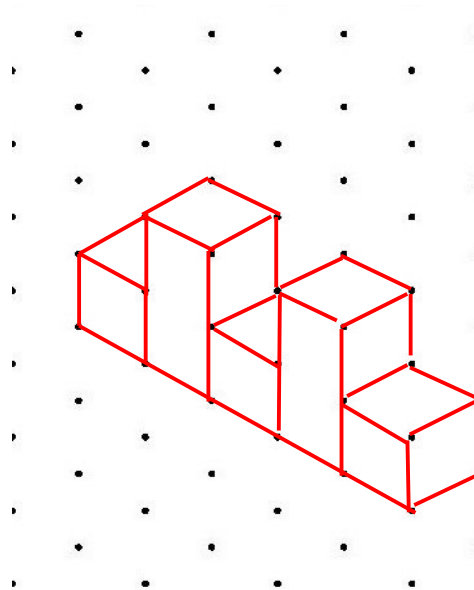
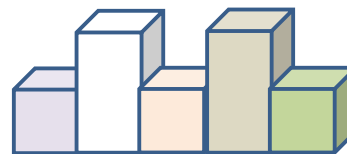
Nets and Drawings for Visualizing Geometry Assignment

Make an isometric drawing of each on isometric dot paper.

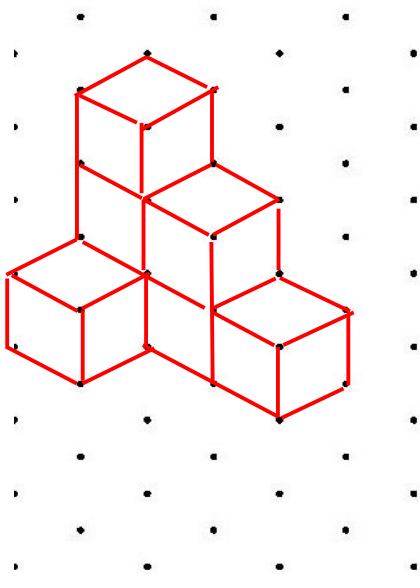
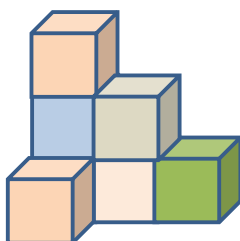
12.



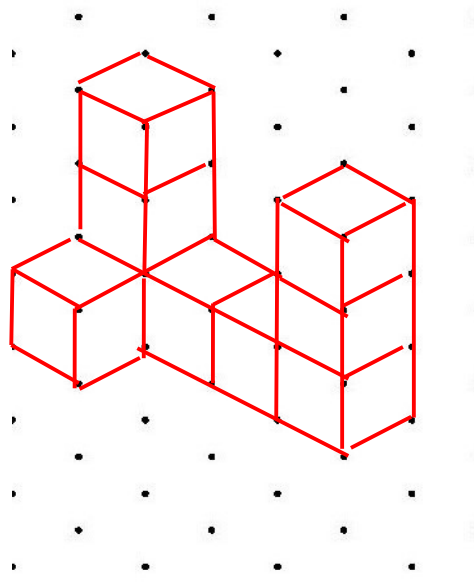
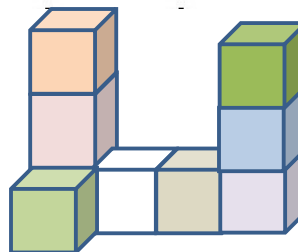
13.



12.



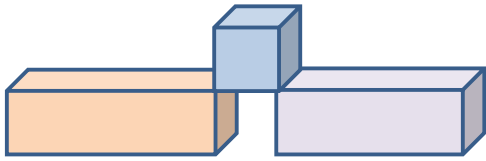
13.



Nets and Drawings for Visualizing Geometry Assignment

Make an orthographic drawing for each structure.

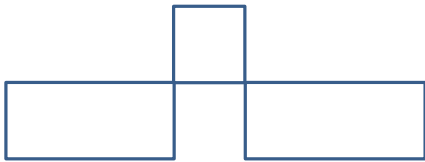
14.



Top view



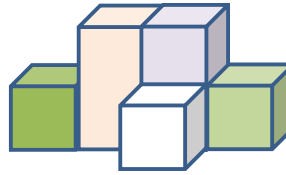
Front view



Right-side view



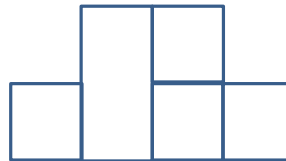
15.



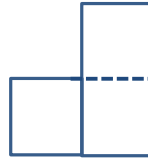
Top view



Front view



Right-side view

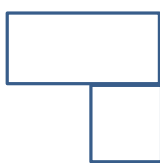


Use the orthographic drawing to make an isometric drawing of the structure.

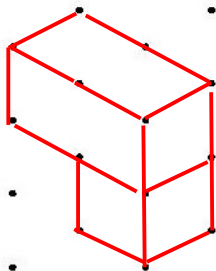
16. Top view



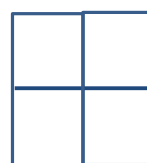
Front view



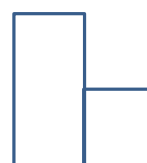
Right-side view



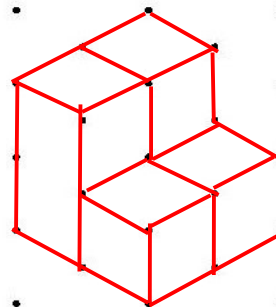
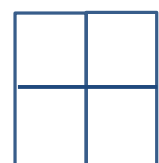
17. Top view



Front view



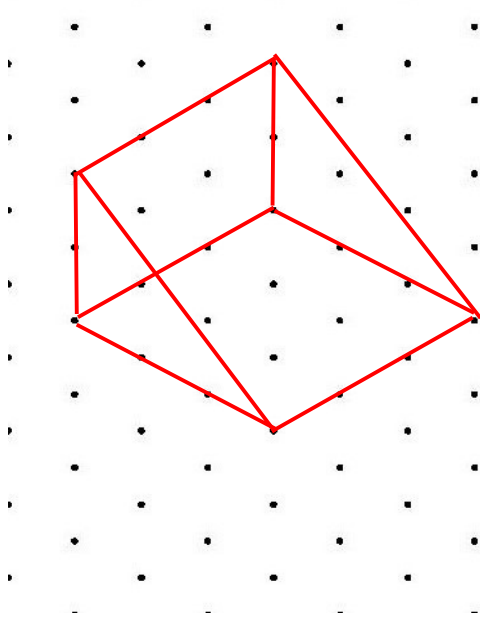
Right-side view



Nets and Drawings for Visualizing Geometry Assignment

Use isometric dot paper to draw each.

18. A triangular prism that is 3 units high. The bases are right triangles with a height of 2 units and a base of 3 units.



19. A square prism that is 4 units high. The bases are squares with side of 2 units.

