

DOINGWHATWORKS



SAMPLE MATERIAL

Isometric Dot Paper for Drawing 3-D Figures

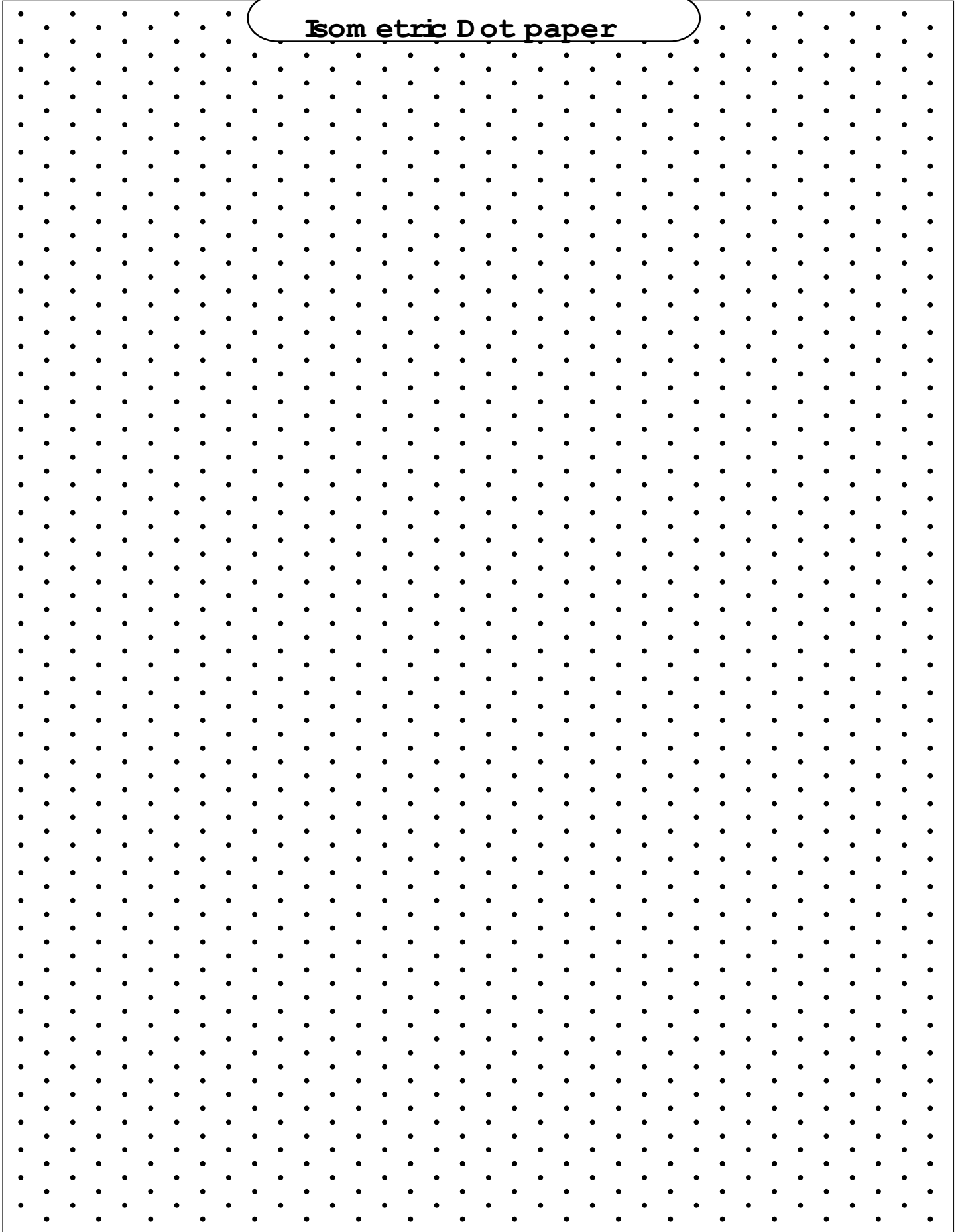
Jeffers High School, Michigan

Topic: Encouraging Girls in Math and Science

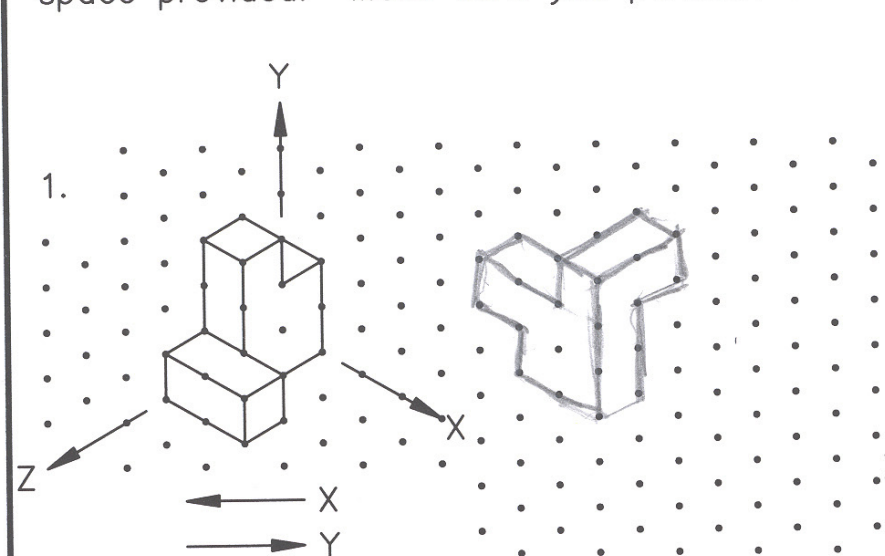
Practice: Teaching Spatial Skills

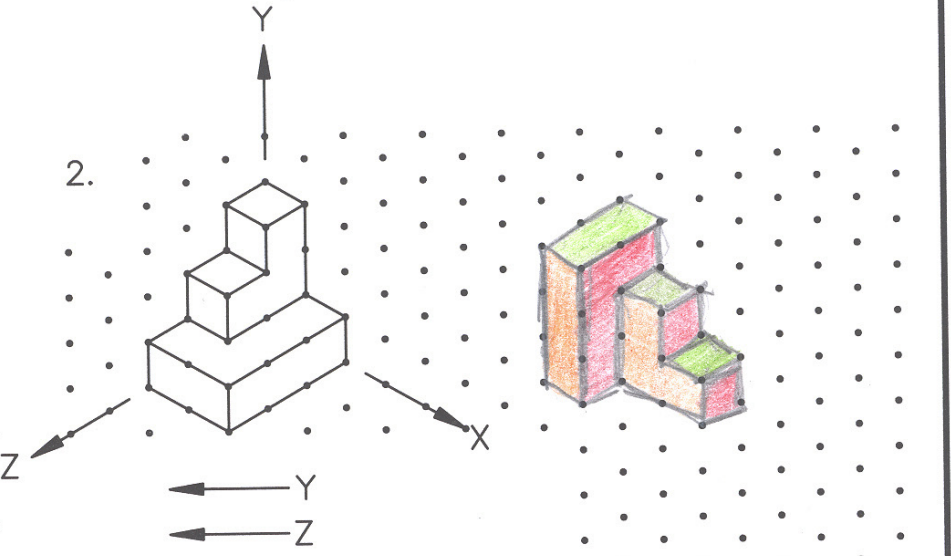
This sample material includes a blank isometric dot paper to use in the classroom for 3-D figure drawings and samples of student work from Jeffers High School in Michigan. Students used little snap cubes to create a model of a 3-D figure, then used the isometric dot paper to draw how the figures appear after rotation.

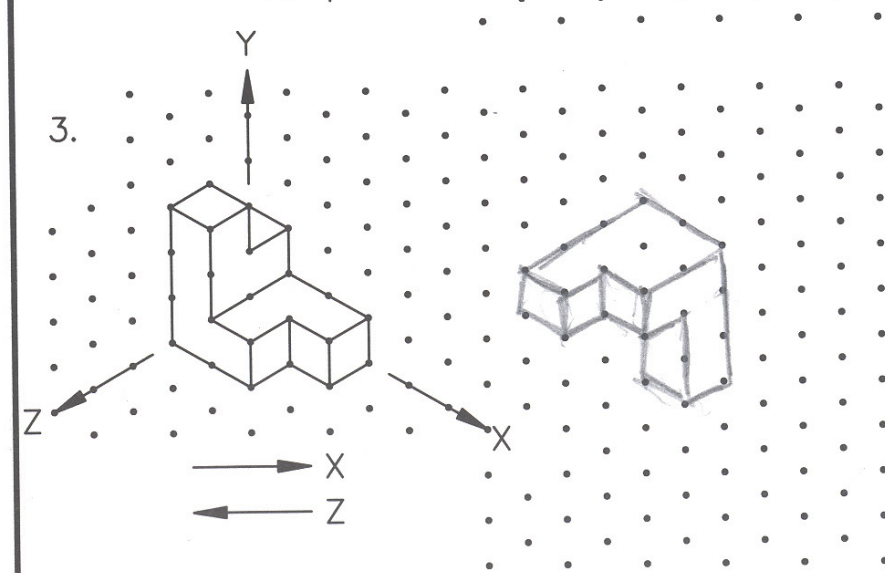
Isometric Dot paper

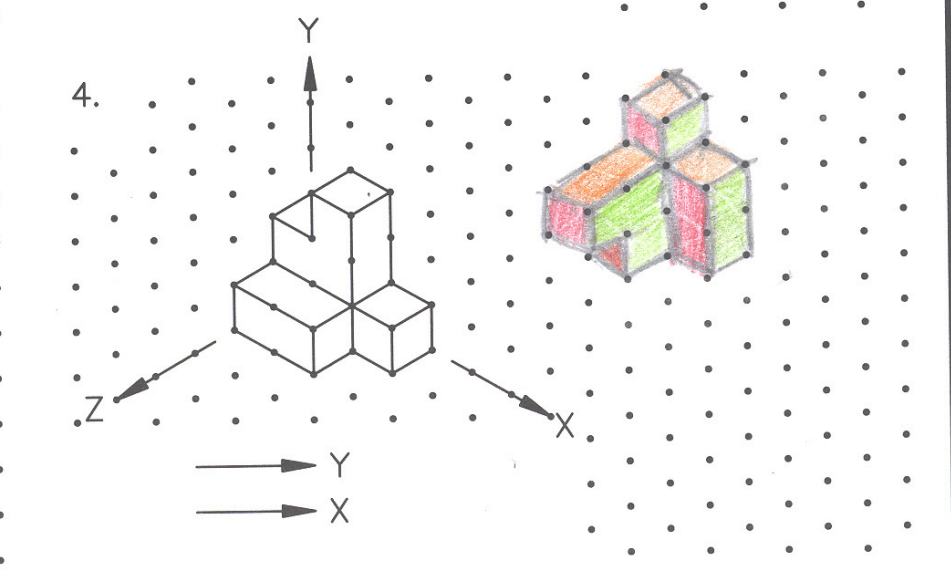


Rotate the objects shown below by the indicated amount. Sketch the result in the space provided. Make sure you perform the rotations in the given order.

1. 

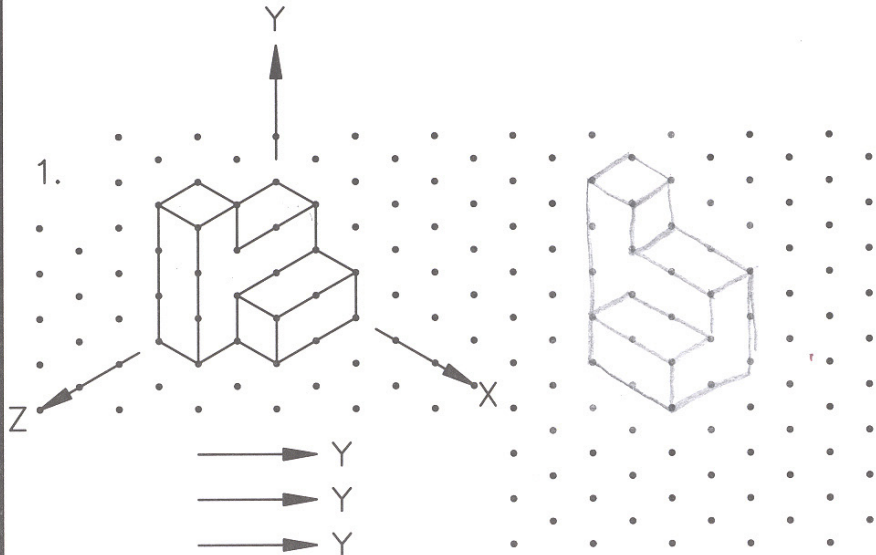
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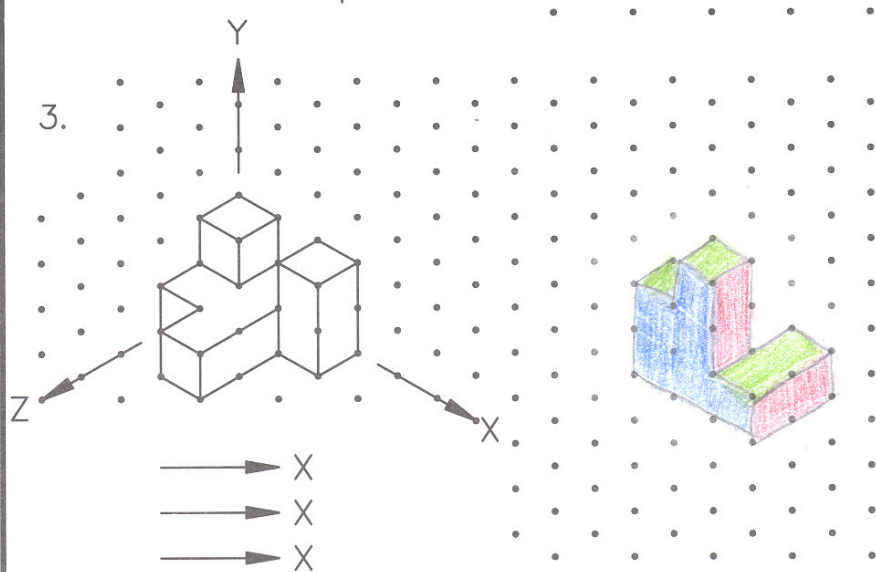
3. 

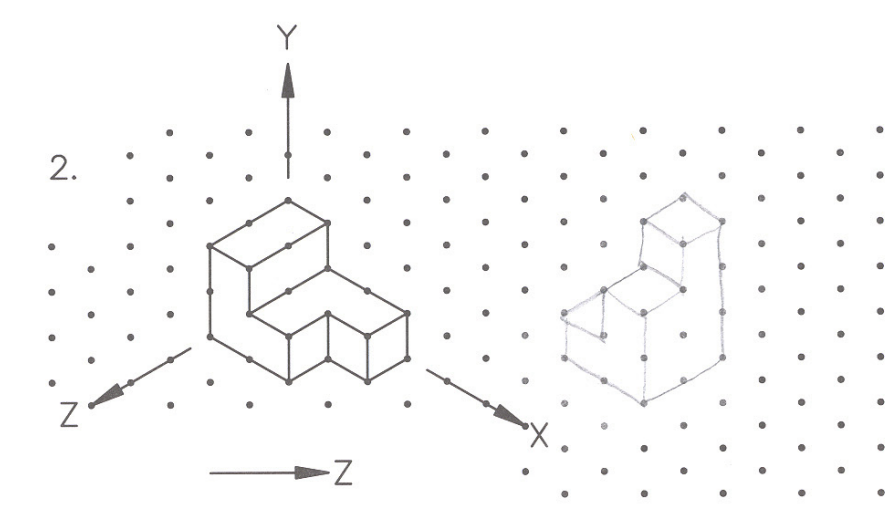
4. 

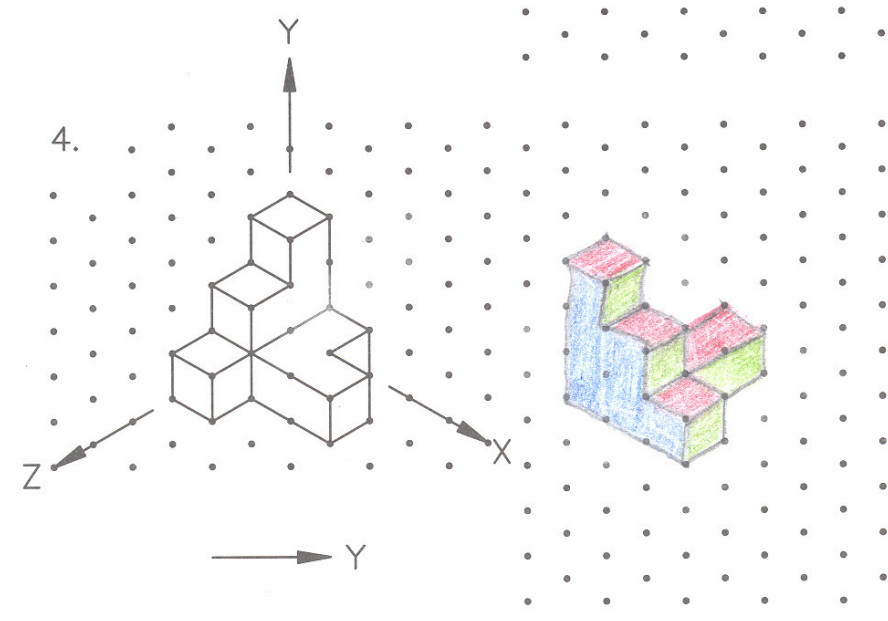
Name: _____
 Class: *Geometry* Section: _____ Date: *12-20-07*

Rotate the objects shown below by the indicated amount and sketch the result in the space provided. You do not need to include the coordinate axes in your sketch.

1. 

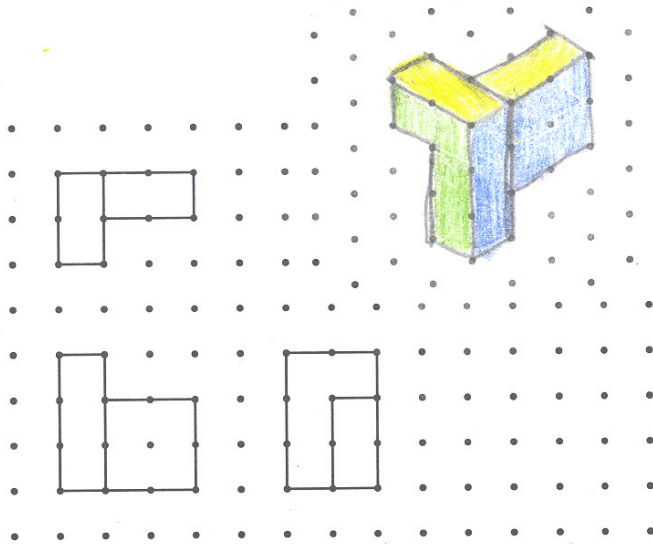
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2. 

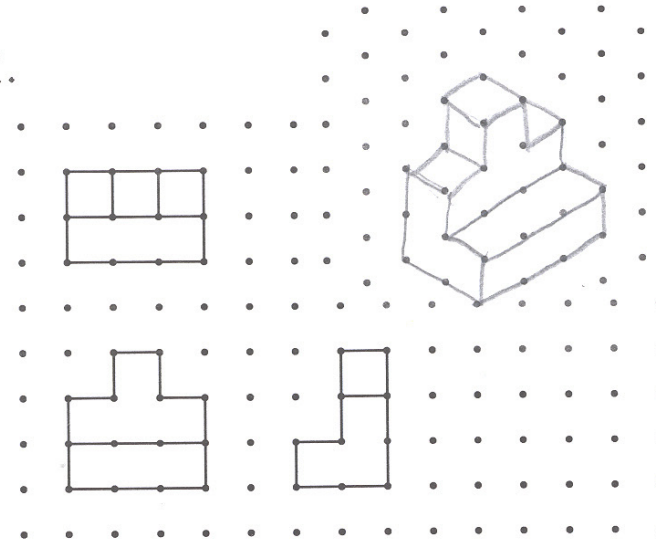
4. 

For the objects shown in orthographic projection below, construct an isometric view in the space provided. Use the box method to assist you if necessary.

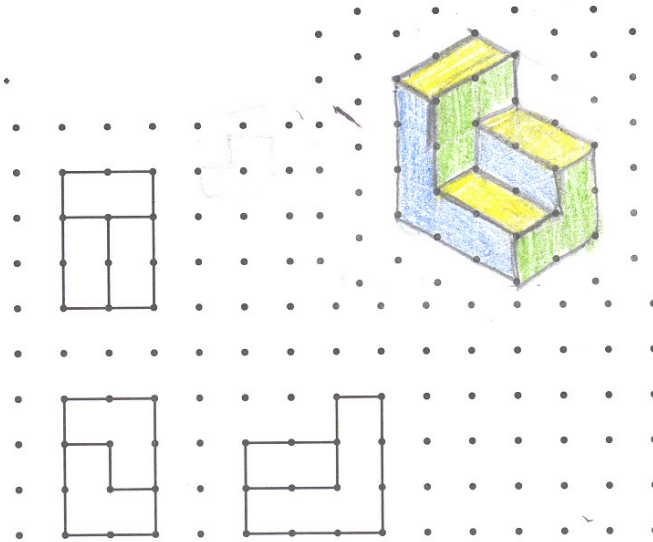
1.



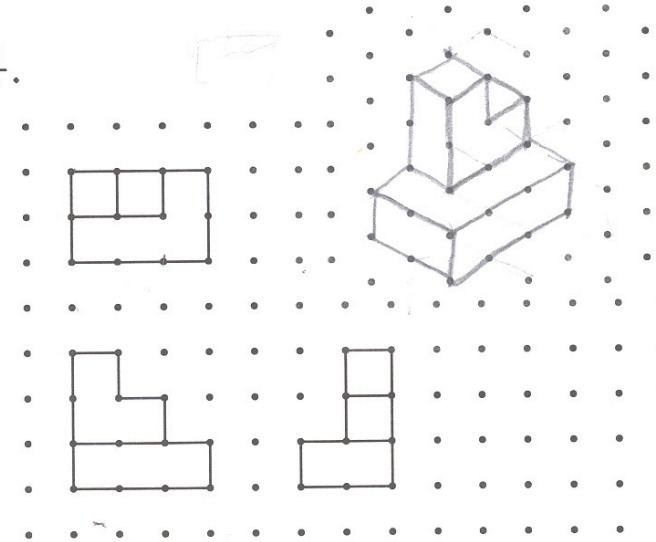
2.



3.



4.



Name: _____

Class: *Geometry*

Section: _____

Date: *12-20-07*

Introduction to 3-D
Spatial Visualization

Grade: _____

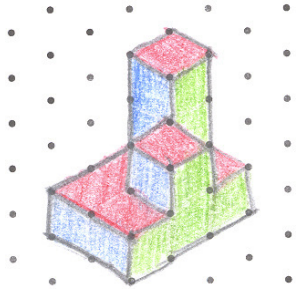
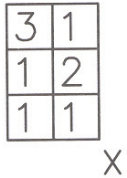
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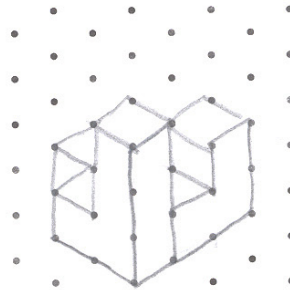
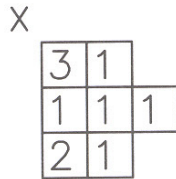
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Sketch the indicated corner view in the space provided.

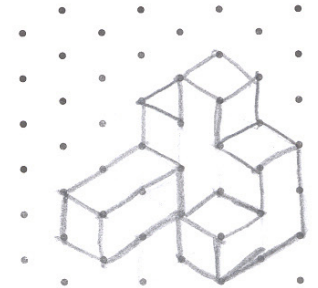
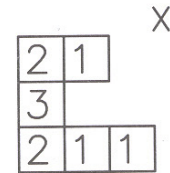
1.



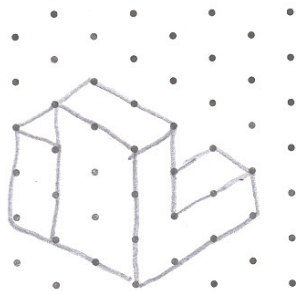
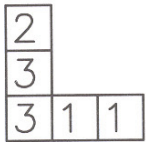
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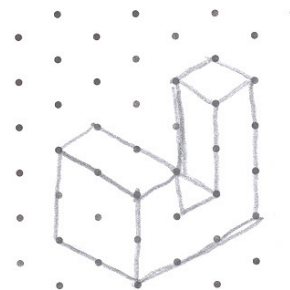
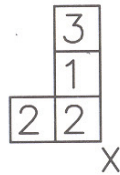
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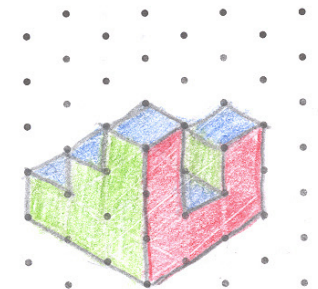
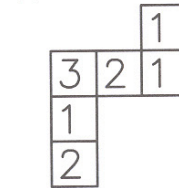
4.



5.



6.



Name: _____
 Class: Geometry Section: _____

Date: 12-20-07

Introduction to 3-D
 Spatial Visualization

Grade: 10

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