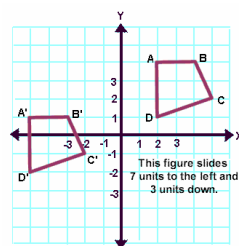
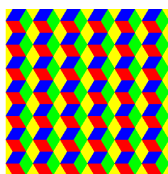
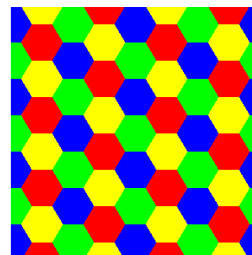
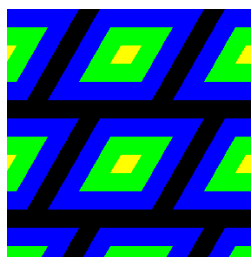
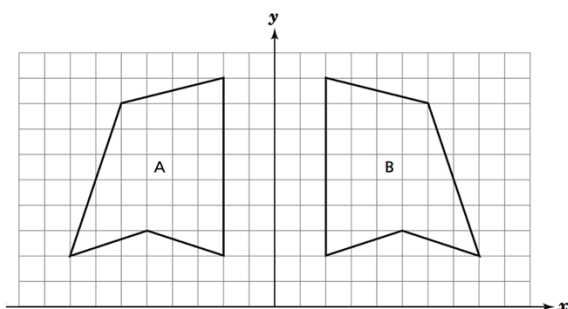


Oct. 4, 2019

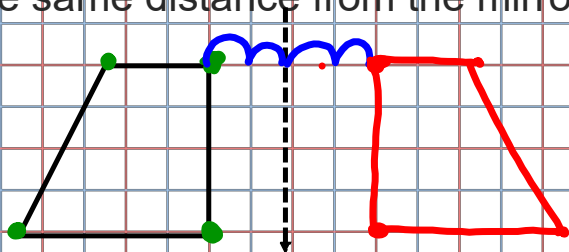


# Unit 8: Geometry

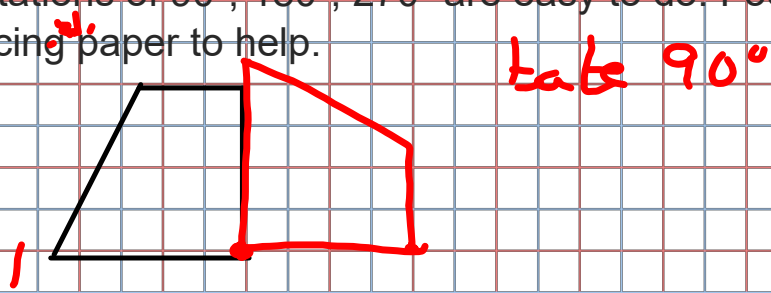


## Time to review

**Reflection** - given the line of reflection (Mirror) place POINTS the same distance from the mirror



**Rotation** - redraw a picture by rotating the picture about a certain point. Rotations of  $90^\circ$ ,  $180^\circ$ ,  $270^\circ$  are easy to do. Focus on one line or use tracing paper to help.

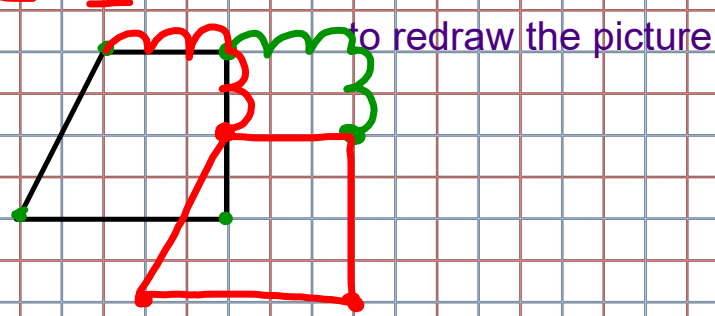


rotate  
90°  
270°  
180°

rotate 180°

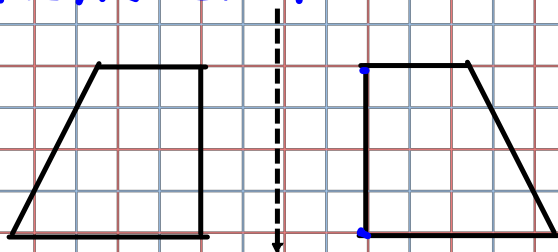
**Translation (Slide)** - uses right (R) or left (L) and up (U) or down (D)

R D - Must move every point and then connect the dots

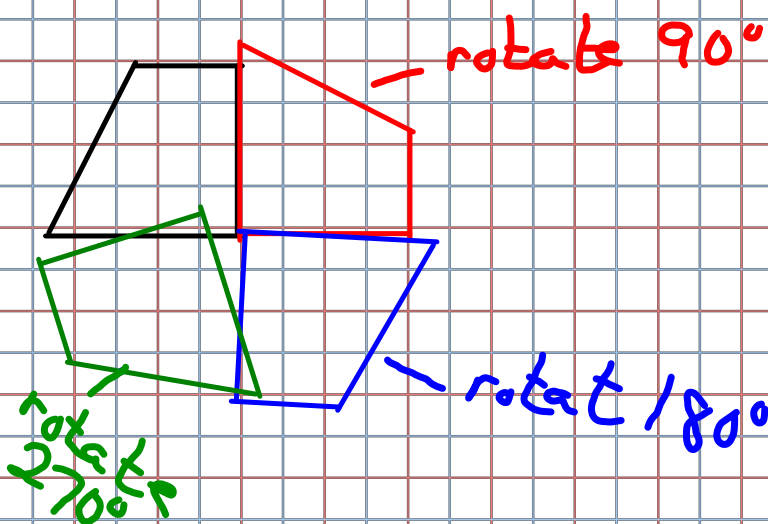


to redraw the picture

### Reflection

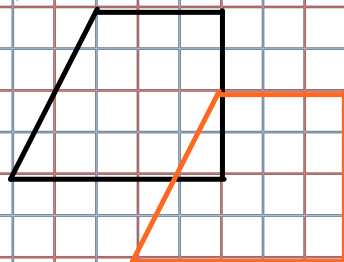


### Rotation



### Translation (Slide)

(R3, D2)



### Isometric Drawings

Isometric drawings involve showing the different views, front, side and top views, for different 3D objects. It also involves drawing a **mat plan**, which is the top view but it also indicates the number of blocks in each row.

For today, we will look at the different views and mat plan.

**Draw the following views for the objects that are held up:**

Ex 1)

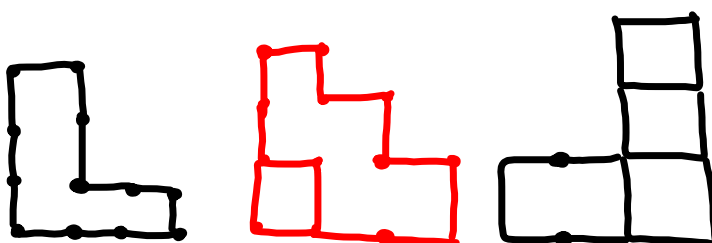


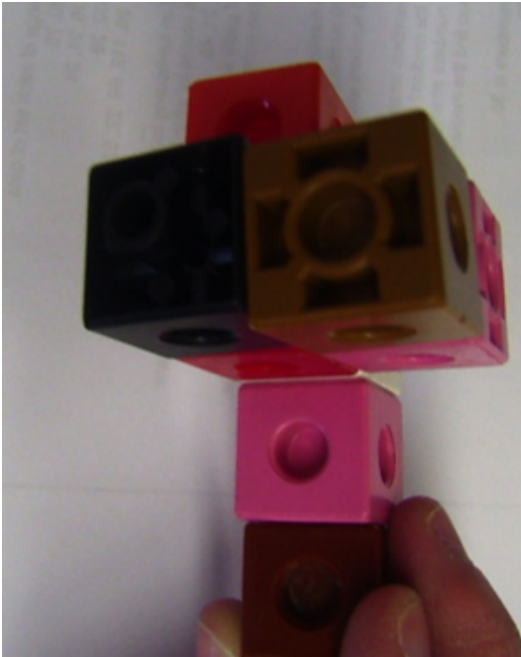
Left

Front

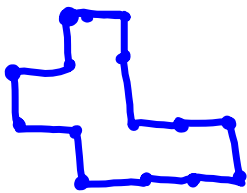
Right

Mat Plan

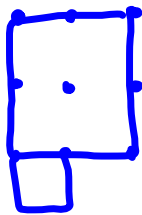




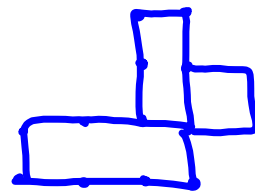
Top/Mat



Left



Front



Right

# Class/Homework

Worksheet 1

#1, #2, ~~#4~~

Page 437 # 4(a,b,c)

Draw Left, Front, Right and Top and Mat Plans.

Put in locations

Name \_\_\_\_\_ Date \_\_\_\_\_

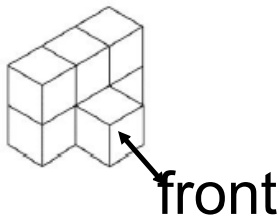
Master 8.26

**Extra Practice 1**

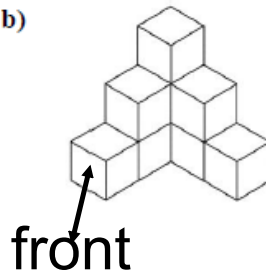
**Lesson 8.1: Sketching Views of Objects**

1. Sketch the top, front, and side views of each object. **Mat**

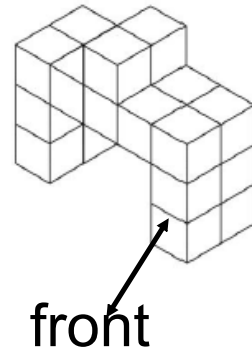
a)



b)

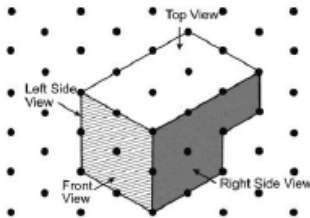


c)

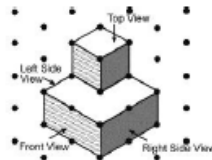


2. Sketch the top, front, and side views of each object drawn on isometric dot paper.

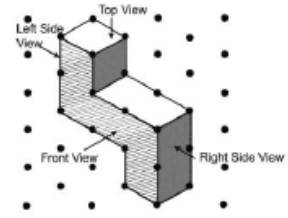
a)



b)



c)



3. Use linking cubes.  
 Make the letter E.  
 Sketch the front, top, and side views of your model.

4. Sketch the top, front, and side views of each object at home or in the classroom.  
 a) a tissue box  
 b) a CD case  
 c) a cereal box

	Front	Right	/	Top	Mat Plan
a)					
b)					
c)					
d)					
e)					





## Attachments

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WS 1 Sketching Views of Objects.pdf