

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Hour: \_\_\_\_\_

## Unit H Project: 3D Figure Mobiles

**Directions:** Your job is to create a mobile showing off the different types of 3D figures and their parts. There are 7 different figures that must be created and colored, however 5 of those must be done in a particular way. In order to receive full credit for this project, you must neatly put the figures together and follow the instructions below.

### #1. Square Pyramid

- I chose to color the base \_\_\_\_\_.
- Draw the slant height of one lateral face in **BLACK** and label it "l".
- I chose to color each lateral face \_\_\_\_\_.

### #2. Cone

- I chose to color the base \_\_\_\_\_.
- Draw the slant height of the lateral face in **BLACK**.
- I chose to color the lateral face \_\_\_\_\_.
- Draw the radius of the base in **BLACK** and label it "r".

### #3. Cube

- Color opposite faces with the **SAME COLOR**.

### #4. Cylinder

- I chose to color the bases \_\_\_\_\_.
- Draw one example of a height **BLACK**.
- I chose to color the lateral faces \_\_\_\_\_.
- Draw the diameter of each base in **BLACK** and label "d".

### #5. Rectangular Prism

- I chose to color the bases \_\_\_\_\_.
- I chose to color the lateral faces \_\_\_\_\_.

### #6. Pentagonal Prism

- I chose to color the bases \_\_\_\_\_.
- I chose to color the lateral faces \_\_\_\_\_.
- Draw one example of a height **BLACK** and label it "h".

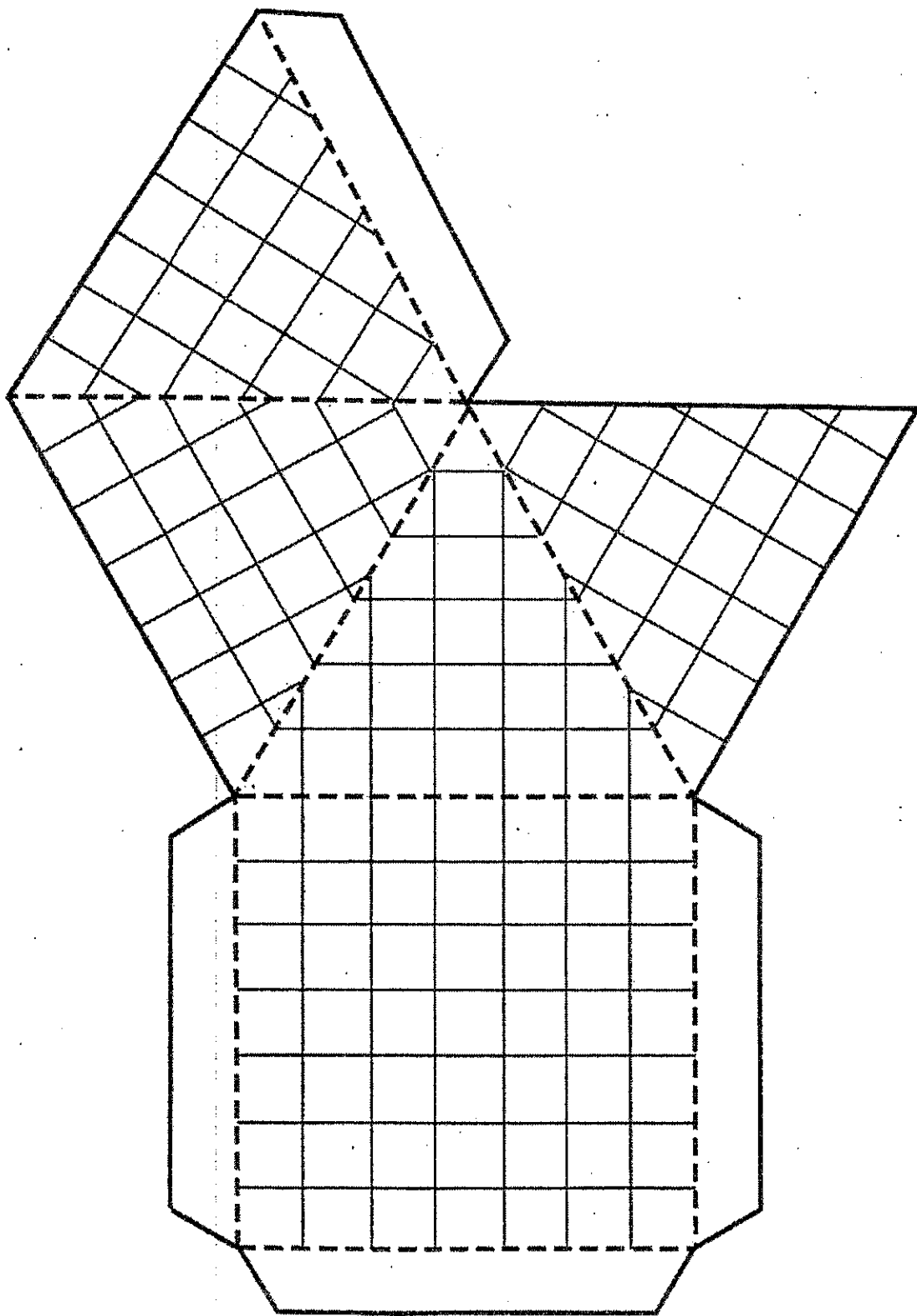
### #7. Triangular Pyramid

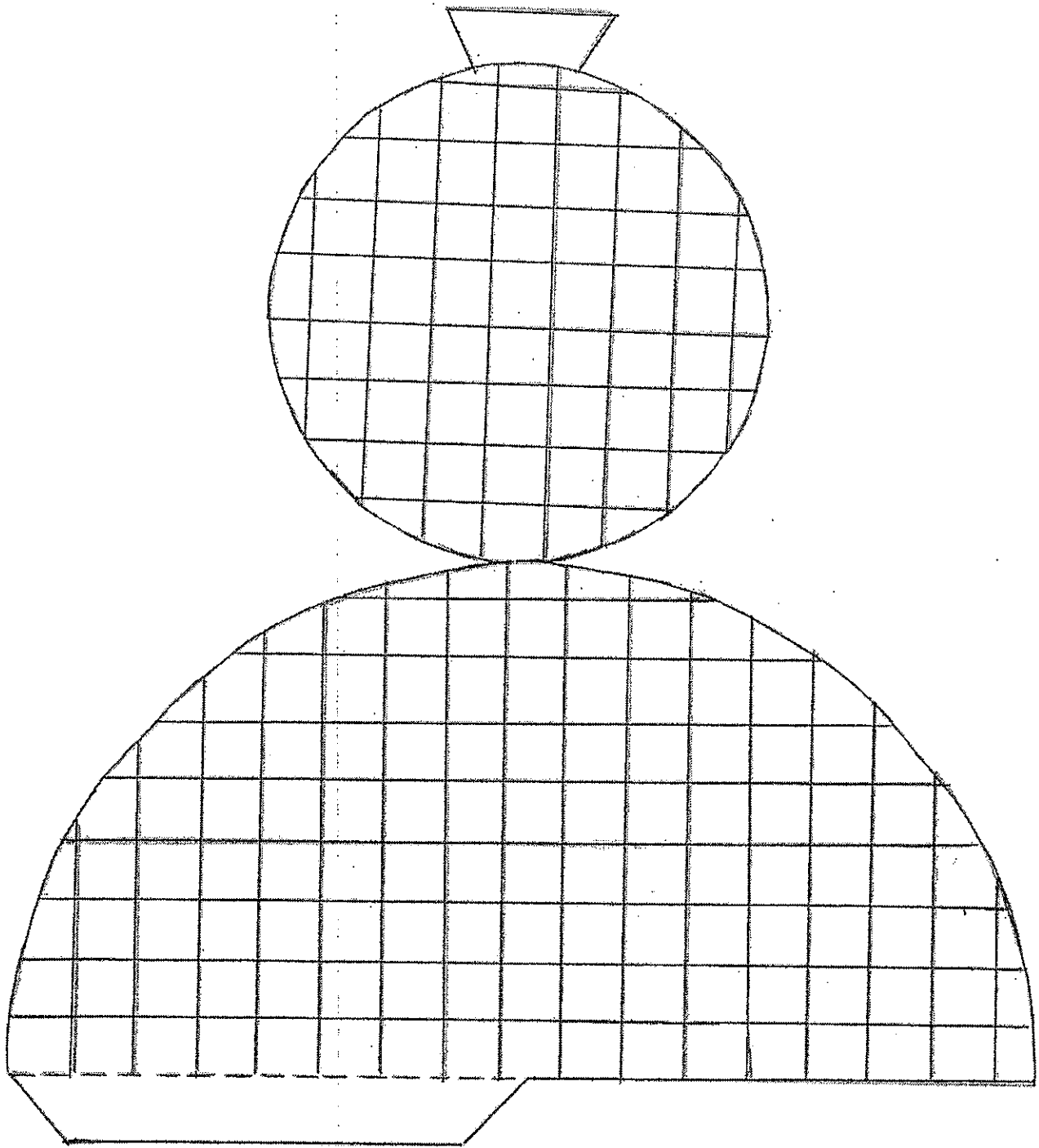
- I chose to color the bases \_\_\_\_\_.
- I chose to color the lateral faces \_\_\_\_\_.
- Draw one example of a slant height **BLACK** and label it "l".

When you are finished putting together and coloring each figure accordingly, use string to attach each figure to the mobile. You may make your mobile using coat hangers, or get creative and make something! Add your own finishing touches to the project to make it your own. **Be sure to put your name and hour on your project!**

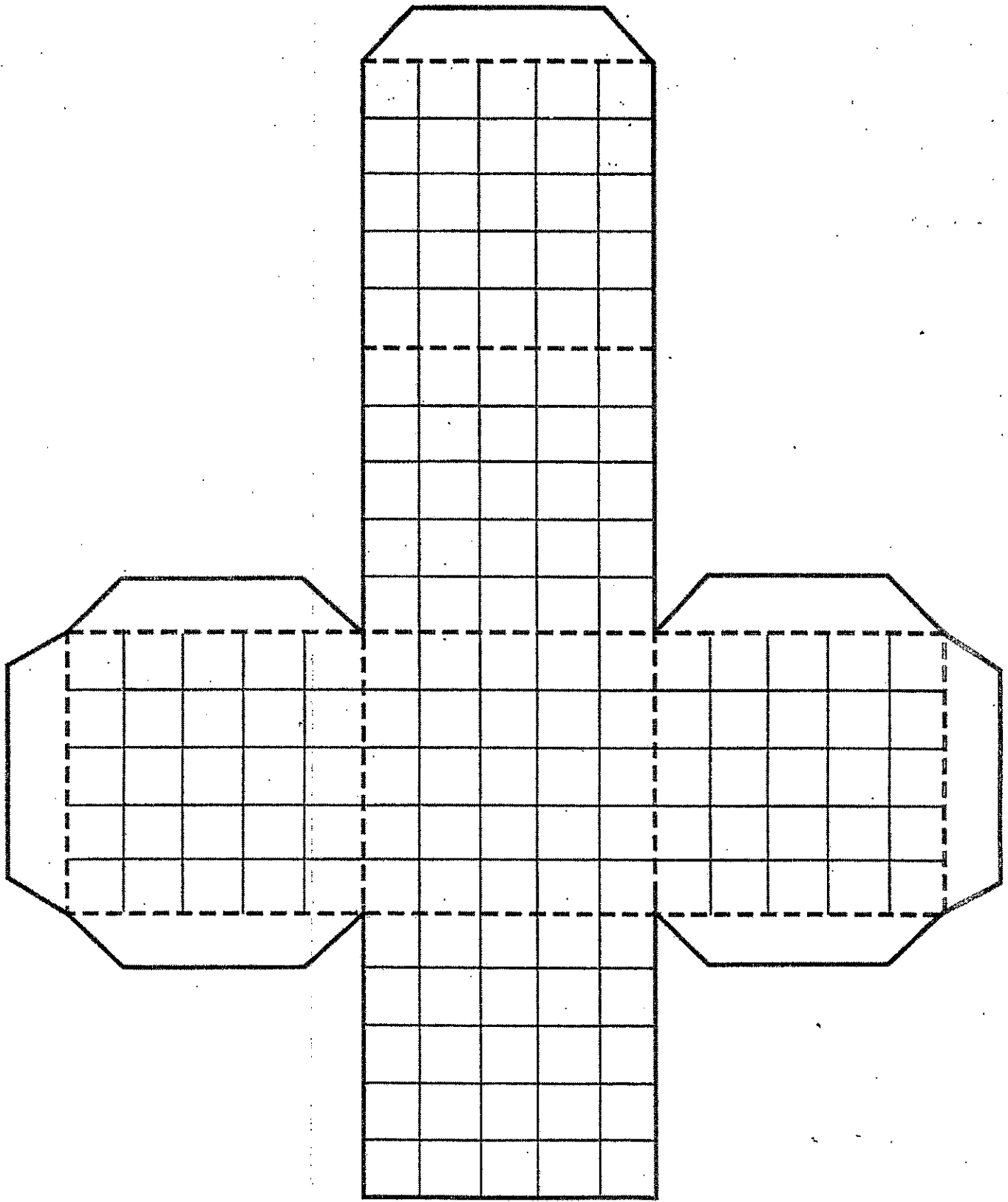
**Grading:**

	<b>2 points</b>	<b>1 points</b>	<b>0 points</b>	<b>Score</b>
<b>#1. Square Pyramid</b>	Base is one color, lateral faces another color, slant height is drawn and labeled.	Most of the directions were followed for the figure.	None of the directions were followed for the figure.	
<b>#2. Cone</b>	Base is one color, lateral face another color, slant height is drawn and labeled, radius is drawn & labeled.	Most of the directions were followed for the figure.	None of the directions were followed for the figure.	
<b>#3. Cube</b>	Opposite faces are colored the same color.	Most of the directions were followed for the figure.	None of the directions were followed for the figure.	
<b>#4. Cylinder</b>	Bases are one color, lateral face another color, height is drawn and labeled, diameter is drawn and labeled.	Most of the directions were followed for the figure.	None of the directions were followed for the figure.	
<b>#5. Rectangular Prism</b>	Bases are one color, lateral faces another color.	Most of the directions were followed for the figure.	None of the directions were followed for the figure.	
<b>#6. Pentagonal Prism</b>	Bases are one color, lateral faces another color, height is drawn and labeled.	Figure is mostly colored neatly and creatively.	Figure is not colored neatly nor creatively.	
<b>#7. Triangular Pyramid</b>	Base is one color, lateral faces another color, slant height is drawn and labeled.	Figure is mostly colored neatly and creatively.	Figure is not colored neatly nor creatively.	
<b>Overall Quality</b>	Mobile is put together neatly with all figures colored neatly & creatively.	Mobile is not put together, or the figures are not colored neatly &/or creatively.	Mobile is not put together and figures are not put together nor colored.	
<b>TOTAL</b>				<u>    </u> <b>14</b>





#2



#3

