**Math 8 Chapter 8 Assignment Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Part 1: Multiple Choice: Place the letter corresponding to the best response in the space provided.**

\_\_\_\_1. What is the top view of the object?

\_\_\_\_2. What is the front view after this object is rotated horizontally 90$°$clockwise about the axis shown?

\_\_\_\_3. Under what combination of transformations will Shape M be the image of Shape J?

A. reflection, rotation

B. reflection, translation

C. translation, reflection

D. translation, rotation

\_\_\_\_4. If this polygon is tessellated, what is the sum of the angles where the vertices meet?

A. 90$°$

B. 180$°$

C. 270$°$

D. 360$°$

\_\_\_\_5. Which is the front view of the object after it has been rotated 90o counter clockwise about the horizontal axis shown?

\_\_\_\_6. Which is the left side view of the object after it has been rotated 180$°$ horizontally

about the vertical axis shown?

\_\_\_\_7. What transformation forms this tessellation?

A. Dilatation

B. Reflection

C. Rotation

D. Translation

\_\_\_\_8. Which represents the **right side** view of the object shown?

 A) B)





C) D)

\_\_\_\_9. Which represents the **top** view of the object from question 8?



A) B) C) D)

\_\_\_\_10 Which of these polygons tessellate?

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A) A only B) B only C) C only D) Both A and B



{4} 11. Sketch and label the front, top, left side and right side views of the object.





{4} 12. Draw the front, left, right, and top views of the object.

{4} 13. Use the shape to tessellate the space. What types of transformations did you use?



{3} 14. The shape shown will not tessellate as it is drawn. Without making a square, add to

this shape so that it will tessellate. Draw a picture of the new shape and sketch the

tessellation on the grid. 