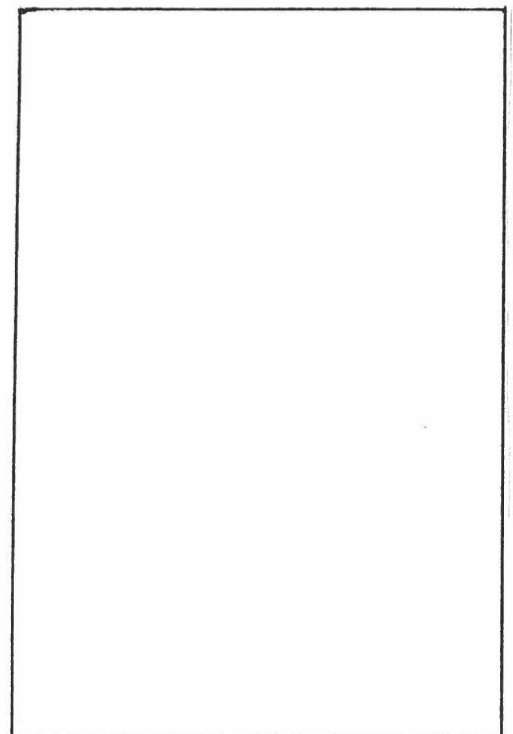
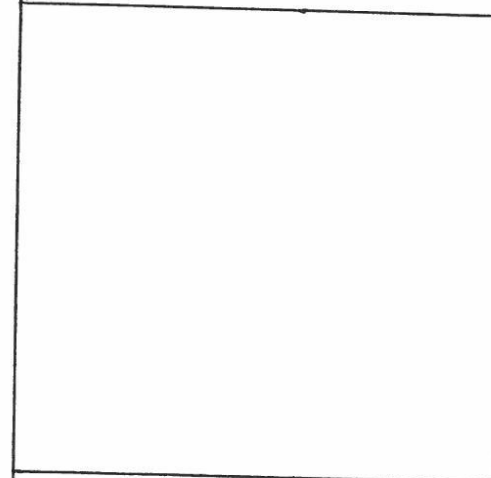
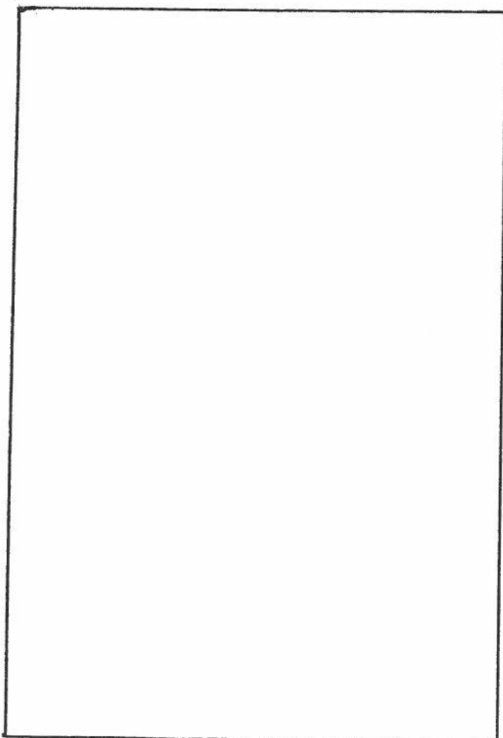
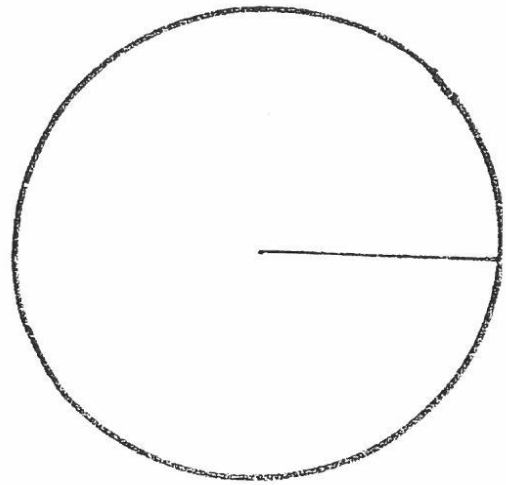
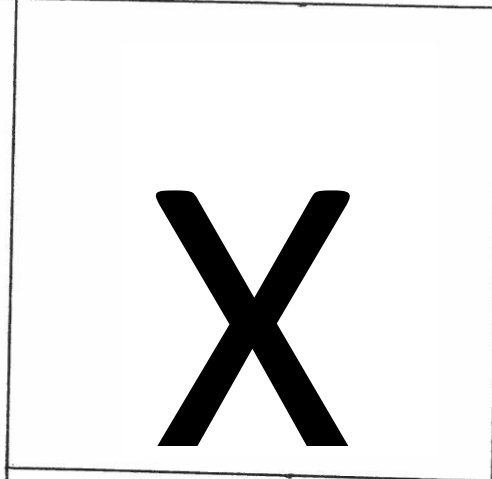
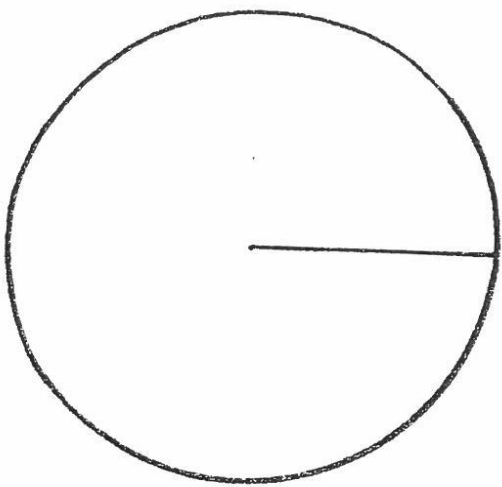
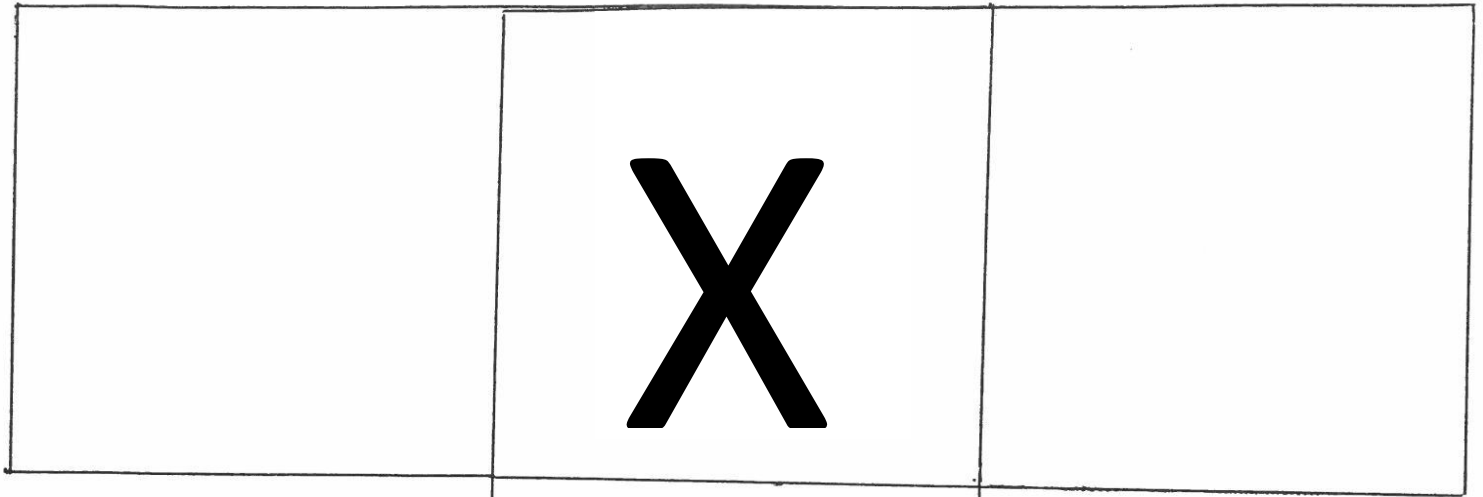


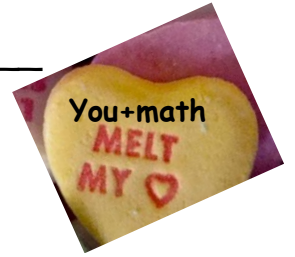
**3-D Mathentine template** Decorate each shape except the two with X. You may also have students write their favorite things or people or thing they love to do in each shape.



\_\_\_\_\_ is loved + important!!!!

**Part A- Cut out the T and then fold into a cube.**

1. Using cm, measure the side(edge) of the square face. \_\_\_\_\_
2. Area of one square \_\_\_\_\_
3. How can you compute the surface area of the cube? \_\_\_\_\_
4. Surface area of the cube. \_\_\_\_\_



**Part B – Cut each circle in half.**

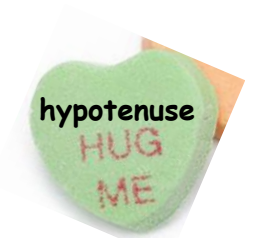
5. Diameter = \_\_\_\_\_ radius = \_\_\_\_\_

$$A = \pi r^2$$

6. Compute area = \_\_\_\_\_ total circle area = \_\_\_\_\_  
Compute circumference =  $2\pi r$  = \_\_\_\_\_

7. What part of the circle is congruent to the edge of the cube?

\_\_\_\_\_



**Part D**

8. What shape do you need to complete the mathentine? \_\_\_\_\_

9. \_\_\_\_\_ dimensions \_\_\_\_\_ and \_\_\_\_\_

Area = \_\_\_\_\_ total rectangle area = \_\_\_\_\_

10. The length of the \_\_\_\_\_ is congruent to the \_\_\_\_\_ of the circle.

11. What 3-D figure do your two circles and \_\_\_\_\_ create?

\_\_\_\_\_

12. How would you compute the surface area of your mathentin?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Heart surface area \_\_\_\_\_



**May the love of MATH fill your heart!! You fill mine!!!**



Happy  
MATHentine's  
Day!!

ER

2022