**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CLASS: \_\_\_\_\_\_\_\_\_\_\_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Lesson #5 – Surface Area and Nets Day 2 Homework**

1. What is the name of the shape below?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How many faces does it have?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw the net for the figure below and determine its surface area in centimeters.



cm

cm

cm

2. What is the name of the shape below?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How many faces does it have?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw the net for the figure below and determine its surface area in inches.



3. What is the name of the shape below?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How many faces does it have?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw the net for the figure below and determine its surface area.



***Review Prior Knowledge***

**Directions:** Write an equation to represent the situations below

4) John has J CDs. Dianne has 2 more than 4 times as many CDs. How many CDs does Dianne, D, have?

Write an equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Kate’s 85 on her English test was 37 points less than twice the grade on her Science test, S.

Write an equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6) Lawrence bought a package of 6 spiral notebooks for a total cost of $13.50. Write and equation that represents p, the cost in dollars, of each notebook?

Write an equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7) The 347 students who listed soccer as their favorite sport were 13 less than three times the number of students who listed basketball as their favorite sport.

Write an equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions:** Write an inequality to represent the situations below.

8) Kelsey needs to make at most 20 cupcakes to have enough for her party.

Write an inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9) Anyone with a temperature greater than 98.6 degrees Fahrenheit has a fever.

Write an inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10) An electrician can only use wire that is less than one-eighth of an inch.

Write an inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11) To win in the Hot Dog eating contest, Joey must eat at least 86 hot dogs.

Write an inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_