Homework- SOL Review
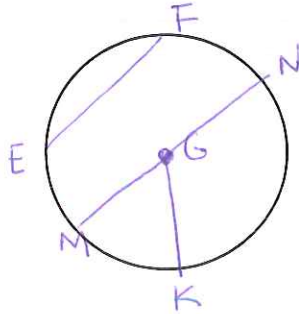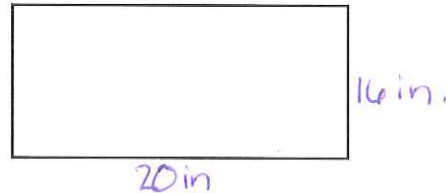
1) Draw an obtuse triangle in the space below:

2) Tamiqua's teacher draws a circle on the board. Tamiqua draws a radius on the circle. Which line segment could be Tamiqua's?

  a. EF   **b.** KG   **c.** MN   **d.** NM

3) Nancy wants to know the area of one of her placemats. She measured the length and width of the placemat, as shown below. Which expression can Nancy use to find the area of her placemat?
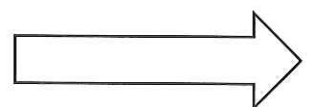
  16 in.

  20 in

  a. 16 x 20   **b.** 16 + 20   **c.** 2 (16+20) **d.** 2(16x20)

4) Manuel is adding a workshop off the den of his home. What will be the area of the den and workshop combined if the den is 14 feet long and 9 feet wide and the workshop will be 7 feet long and 4 feet wide?
  a. 34 sq. ft   **b.** 68 sq. ft   **c.** 154 sq. ft   **d.** 208 sq. ft

5) A closet has the dimensions of 2 feet by 6 feet by 8 feet. Which formula can be used to find the total amount of space inside closest?
  a. 4xs   **b.** LxW   **c.** 2Lx2W   **d.** LxWxH

6) Vincent has two choices in solving the problem 15 x (30 + 6). One way to solve the example is to multiply 15 x 36. Which expression shows another way Vincent can solve the example?

    a. (15x30x6)   **b.** (15 x 30) + (15 x6)

    c. (15 x 30) x (15 x6)   **d.** (10x5) x (30 x6)

7) Which statement best describes a quadrilateral?
    a. A quadrilateral is a polygon with four sides.
    b. A quadrilateral is a polygon with five sides.
    c. A quadrilateral is a shape with a smooth curve.
    d. A quadrilateral is any polygon that is formed with line segments.

8) Draw an acute angle in the space below:

9) Wilbur ate 2/8 of a box of crackers before football practice. After practice, he ate another 1/6 of the box of crackers. What is the least common multiple Wilbur can use as a denominator to add the fractions and find the total amount of crackers eaten?
    a. 4   **b.** 8   **c.** 16 **d.** 24

10) Kathy's teacher asked four students to write numbers on the board.
- Marlo- 4, 6, 8, 10, 24
- Chris- 1, 2, 3, 5, 7
- Jimmy- 6, 7, 12, 14
- Kima- 3, 5, 11, 43

Which students list has only even numbers? _____