

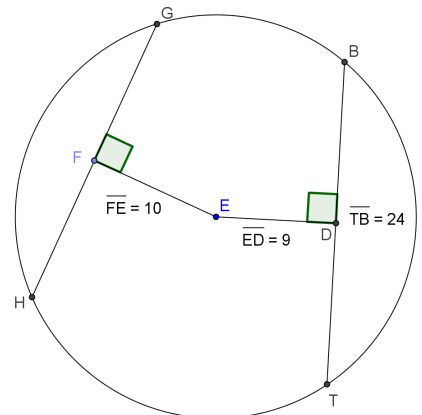
Name: _____

Period: _____

Problem Solving #4
Geometry Quarter 4
Due Friday May 7th

1. Write the equation of a line that is parallel to the line $2y = 8x + 6$ and goes through the point $(7, 9)$
2. 10 teams are at a basketball tournament. If each team plays all other teams exactly one time, how many games take place?
3. A cube has a surface area of 54 square centimeters. What is the volume of the cube?

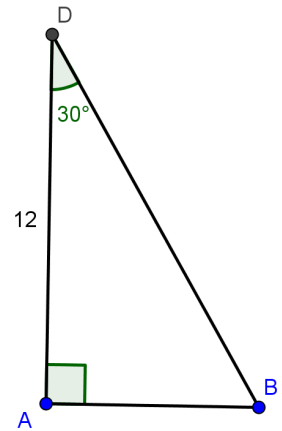
4. Determine the length of segment \overline{GH} given that $FE = 10$, $ED = 9$, and $TB = 24$.



Name: _____

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5. Determine the values of segment DB and segment AB



6. You have 148 feet of fencing and you want to fence in a rectangular plot of land that will enclose 1320 square feet. What are the dimensions of the rectangle?

7. Determine the sum of all integers from -5 to 600.