

# NCTM Content Standards Assessment Rubric



## Geometry – Drill Sheets

Student's Name: \_\_\_\_\_ Assignment: \_\_\_\_\_ Level: \_\_\_\_\_

|  | Level 1  | Level 2  | Level 3   | Level 4   |
|--|--|--|---|---|
| <b>Understanding Numbers, Ways of Representing Numbers, Relationships Among Number Systems</b> | <ul style="list-style-type: none"> <li>Demonstrates a limited understanding of numbers, ways of representing numbers and relationships among number systems</li> </ul> | <ul style="list-style-type: none"> <li>Demonstrates a basic understanding of numbers, ways of representing numbers and relationships among number systems</li> </ul> | <ul style="list-style-type: none"> <li>Demonstrates a good understanding of numbers, ways of representing numbers and relationships among number systems</li> </ul> | <ul style="list-style-type: none"> <li>Demonstrates a thorough understanding of numbers, ways of representing numbers and relationships among number systems</li> </ul> |
| <b>Understanding Meanings of Operations and How They Relate to One Another</b>                 | <ul style="list-style-type: none"> <li>Demonstrates a limited understanding of the meanings of operations and how they relate to one another</li> </ul>                | <ul style="list-style-type: none"> <li>Demonstrates a basic understanding of the meanings of operations and how they relate to one another</li> </ul>                | <ul style="list-style-type: none"> <li>Demonstrates a good understanding of the meanings of operations and how they relate to one another</li> </ul>                | <ul style="list-style-type: none"> <li>Demonstrates a thorough understanding of the meanings of operations and how they relate to one another</li> </ul>                |
| <b>Computing and Making Estimates</b>  | <ul style="list-style-type: none"> <li>Demonstrates limited ability in computing and making estimates</li> </ul>   | <ul style="list-style-type: none"> <li>Demonstrates some ability in computing and making estimates</li> </ul>  | <ul style="list-style-type: none"> <li>Demonstrates satisfactory ability in computing and making estimates</li> </ul>   | <ul style="list-style-type: none"> <li>Demonstrates strong ability in computing and making estimates</li> </ul>   |

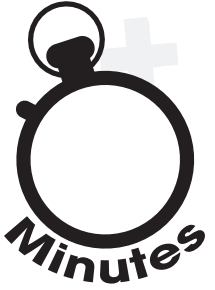
**WEAKNESSES:**

**NEXT STEPS:**

**STRENGTHS:**

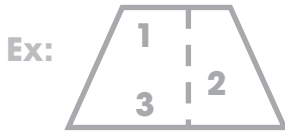
**STRENGTHS:**

SAMPLE



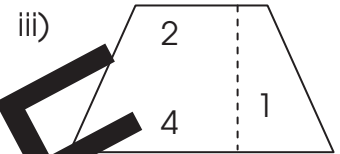
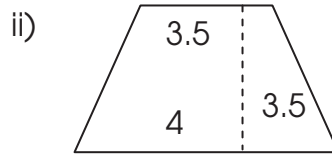
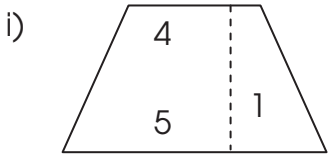
6a) Find the area of all the trapezoids. To find the area of a trapezoid, add the top and bottom lengths, multiply by the height, and divide by 2.

Formula: Area =  $\frac{1}{2}$  x height x (a + b)



a (top) = 1  
b (bottom) = 3  
height = 2

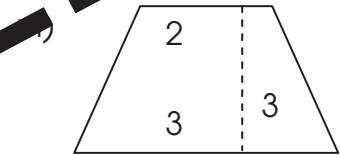
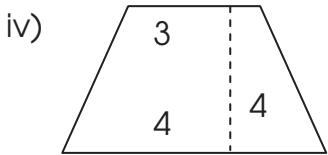
Area =  $\frac{1}{2} \times 2 \times (1 + 3)$   
Area =  $1 \times 4$   
Area = 4 units squared



Area = \_\_\_\_\_

Area = \_\_\_\_\_

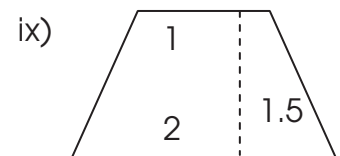
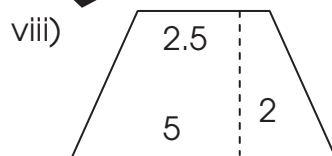
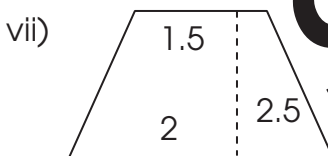
Area = \_\_\_\_\_



Area = \_\_\_\_\_

Area = \_\_\_\_\_

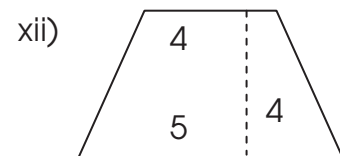
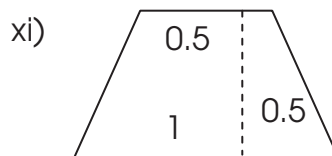
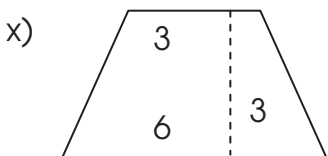
Area = \_\_\_\_\_



Area = \_\_\_\_\_

Area = \_\_\_\_\_

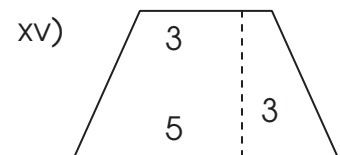
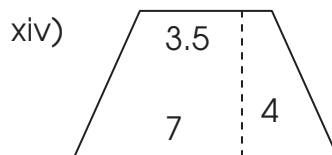
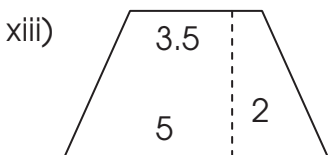
Area = \_\_\_\_\_



Area = \_\_\_\_\_

Area = \_\_\_\_\_

Area = \_\_\_\_\_



Area = \_\_\_\_\_

Area = \_\_\_\_\_

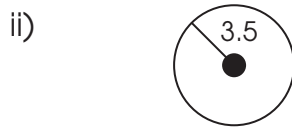
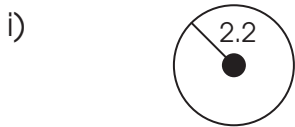
Area = \_\_\_\_\_

NAME: \_\_\_\_\_

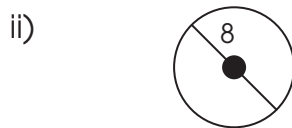


# Review C

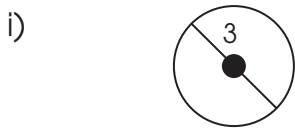
a) Find the diameter of each circle.



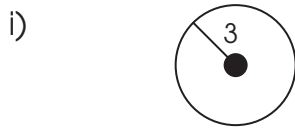
b) Find the radius of each circle.



c) Find the circumference of each circle.



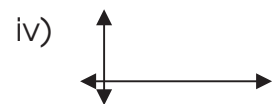
d) Find the area of each circle.



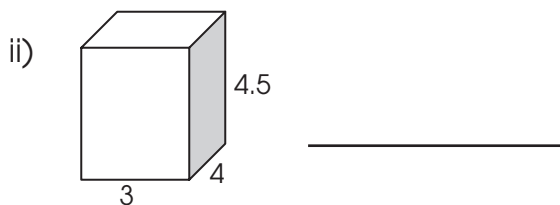
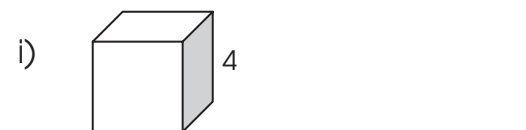
e) Identify each line as a ray, line, or line segment.



f) Identify each pair of lines as skew, parallel, perpendicular, or intersecting.



g) Find the volume for each shape.

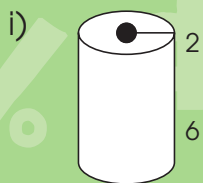


# Volume

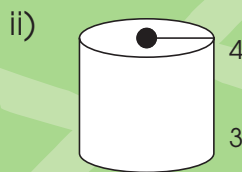


a) Find the volume of each cylinder.

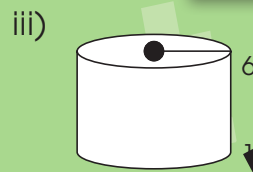
Formula:  $\text{volume} = \pi r^2 h$   
( $\pi$  x radius squared x height)



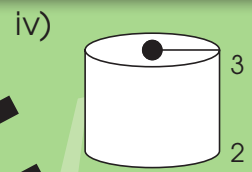
Volume = \_\_\_\_\_



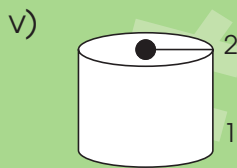
Volume = \_\_\_\_\_



Volume = \_\_\_\_\_



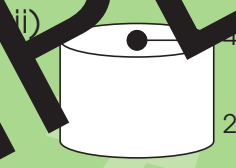
Volume = \_\_\_\_\_



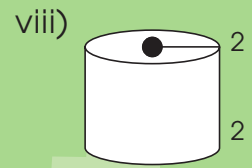
Volume = \_\_\_\_\_



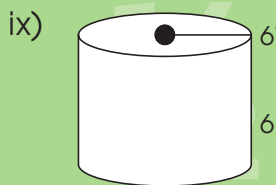
Volume = \_\_\_\_\_



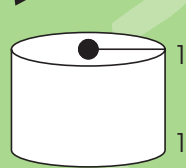
Volume = \_\_\_\_\_



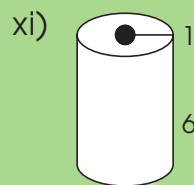
Volume = \_\_\_\_\_



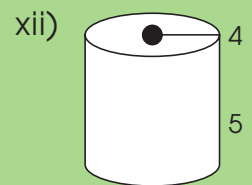
Volume = \_\_\_\_\_



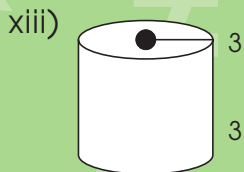
Volume = \_\_\_\_\_



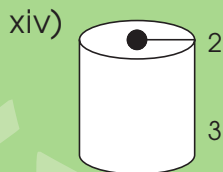
Volume = \_\_\_\_\_



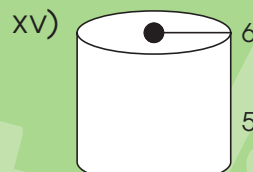
Volume = \_\_\_\_\_



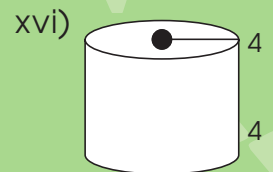
Volume = \_\_\_\_\_



Volume = \_\_\_\_\_



Volume = \_\_\_\_\_



Volume = \_\_\_\_\_