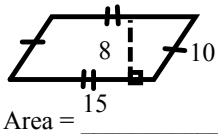
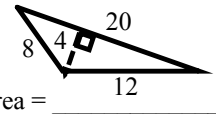
Weekly 12.5 Geometry Name _____

MONDAY

1. $7 + 3(14 - 3 \times 2^3) - 5 \times 5$

2. 

Area = _____
Perimeter = _____
Classify _____

3. 

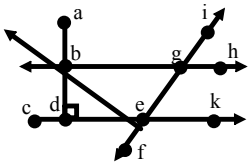
Area = _____
Perimeter = _____
Classify _____ and _____

4. A circle has a circumference of 10.
Radius = _____
Diameter = _____
Area = _____

5. A triangle with a height of 10 has an area of 60 u^2. What is the length of the triangle's base? ____

6. A circle has a diameter of 32.
Radius = _____
Circumference = _____
Area = _____

Use this diagram for 7-10.



7. If the m ∠beg is 88° and the m ∠gbe is 34° what is the measure of ∠ bge? _____ You know this because the sum of the interior angles of EVERY triangle is always _____.

8. Since you now know the m ∠ bge, what is the measure of ∠ igh? _____ These two angles are called _____ angles and also called _____ angles.

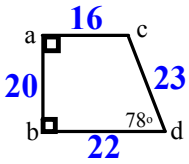
9. Since you know the m∠hgi, what is the measure of ∠igb? _____ You know this because these two angles are both _____ and _____.

10. $\overleftrightarrow{hb}$ is said to be _____ to $\overrightarrow{ck}$.

TUESDAY

1. _____ $4(3 - 2g) = 6(3g + 3)$

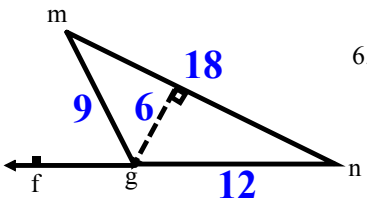
2. _____ How long would it take a painter to paint a rectangular wall that measures 38 feet by 24 feet, if the painter can paint a 4 feet by 5 feet wall in 7 minutes.



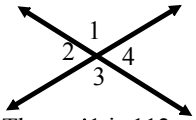
3. Classify _____
Area = _____
Perimeter = _____
m ∠ acd = _____

4. Radius = _____
Circumference = _____
Area = _____

5. A triangle has a base of 340 u and a height of 206 u. Find its area = _____



6. The m ∠gmn is 36° and the m ∠gnm is 23° .
What is the measure of ∠ngm? _____
What is the m ∠fgm?_____
What is the perimeter of Δmgn? ____
What is the area of Δmgn? _____



7. The m∠1 is 112°.
What is the m∠2? _____
Angles 1 and 2 are both _____ and _____.
What is the m∠3? _____
Angles 1 and 3 are _____.

8. The circumference of a circle is 87.92 units.
Find the radius _____
diameter _____
area _____

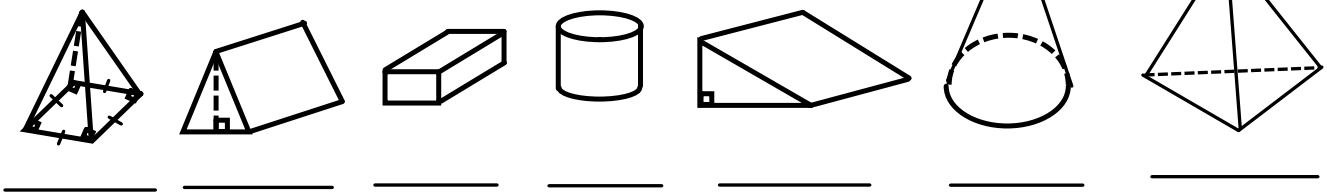
9. Two angles of a triangle measure 33° and 114°. What is the measure of the 3rd angle? _____
Now classify the triangle. It is _____ and _____.

10. **VOCABULARY** - Opposite angles are called _____ and are always _____. Angles that are right next door to each other are called _____. Angles that add up to 90° are called _____. A six sided polygon is called a _____. Two lines that meet to form right angles are called _____.

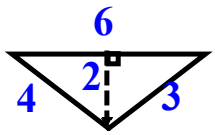
WEDNESDAY

1. A $80 item is bought during a 30% off sale. After the discount is applied a 9% sales tax is added. What is the after tax price of the item? _____

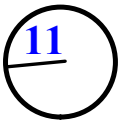
2. Accurately Classify each 3D solid.



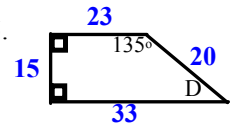
_____ _____ _____ _____ _____ _____ _____

3. 

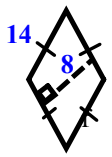
P = _____
A = _____

4. 

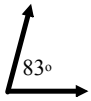
R = _____
D = _____
C = _____
A = _____

5. 

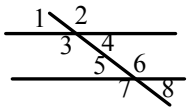
P = _____
A = _____
m∠D = _____

6. 

P = _____
A = _____

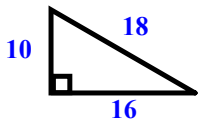
7. 

Complement = _____
Supplement = _____
Classify the angle = _____

8. 

Vertical to∠ 7 = _____
Supplementary to∠ 3 = _____
Adjacent to ∠2 = _____
Vertical to∠1 = _____

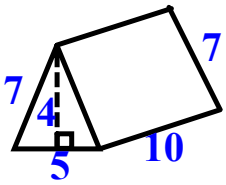
9. If the circumference of a circle is 169.56 u. find the following measurements of the circle.
Diameter = _____
Radius = _____
Area = _____

10. 

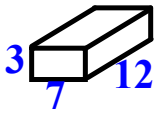
Perimeter = _____
Area = _____

THURSDAY

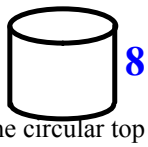
1. 18 items cost a total of $78.30. What is the unit price (Constant of Proportionality)? _____



2. SA = _____
V = _____

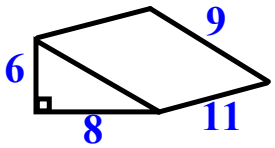


3. SA = _____
V = _____



The circular top and bottom both have a radius of 5.

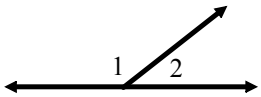
4. V = _____



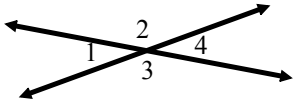
5. SA = _____
V = _____

6. Find the volume _____ and surface area _____ of a cube with a side measuring 12 units.

7. The volume of a rectangular prism is 120 u³. The width of the base is 4 and the length of the base is 5. What is the height of the rectangular prism? _____



8. If the measure of angle 1 is $(10x + 30)^\circ$ and the measure of angle 2 is $(3x + 7)^\circ$ solve for x. _____



9. If the measure of angle 1 is 5m + 4 and the measure of angle 4 is 9m - 12. Solve for m. _____ Find the measure of angle 1 and angle 4 _____. The relationship between angles 1 and 4 is called _____.

10. Prisms have bases that are _____ and _____. Pyramids are named by the shape of their _____ and all edges come from that base to a point or vertex called the _____.