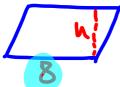
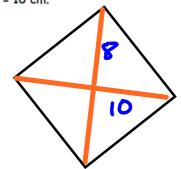
Name	Geometry - Ch.9 Practice Test
1) What is the area of the triangle? A= by = 8(5) = 40 20cm a	5 cm 10 cm
2) Find the area of the trapezoid. A=(b+b2) h 2	5cm 21(12) 21(12) 16 cm
A = (16+-5)12 3) What is the diameter of a circle with an area of 2	b1 (A=126cm²)
A (a51)	4=11r.2 2511=11ra
d=20 d=10yd	95=10 5=1

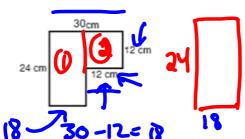
4) A parallelogram has an 8-inch base. If the parallelogram has an area of 40 square inches, what is the height of the parallelogram?



6) Find the area of the rhombus if the lengths of the diagonals are d_1 = 8 cm and d_2 = 10 cm.

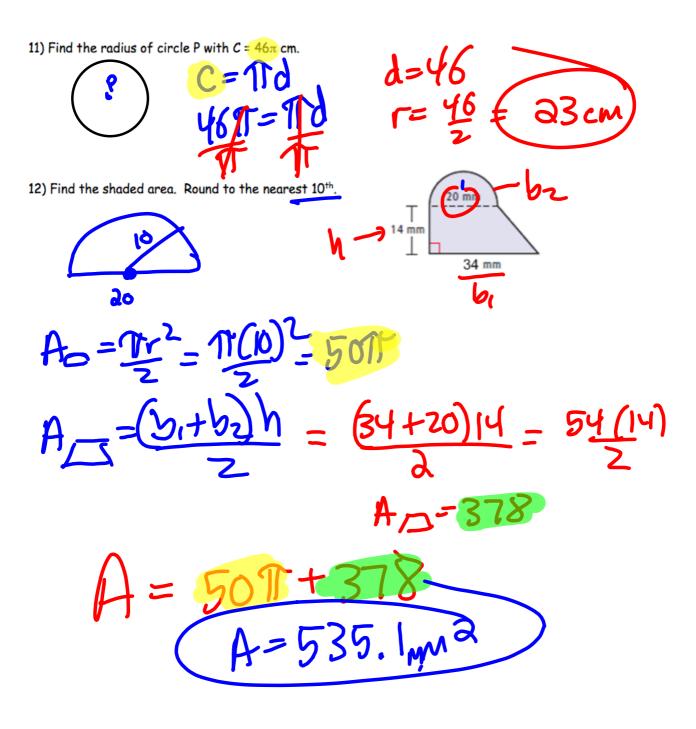


7) Find the area of the figure. Assume all angles are right angles.



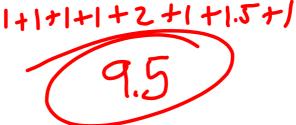
 $A_{1} = 24(18) = 432$ $A_{2} = 12(12) = 144$ A = 432 + 144

8) A square has a perimeter of 80 inches. Find the area of the square.



13) Which is the best estimate for the shaded area of the figure? The grid has squares with side lengths of Anch.



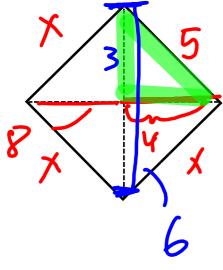


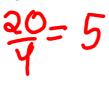
17) How many meters in 4 miles?

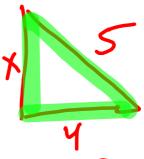
$$\frac{1.609 \text{ km}}{1 \text{ mi}} \cdot \frac{1000 \text{ m}}{1 \text{ km}}$$



18) The perimeter of a rhombus is 20 centimeters. The length of one diagonal is 8 centimeters. Find the area of the rhombus. (DRAW A PICTURE!)



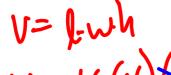




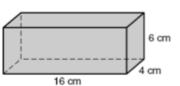
 $\frac{d_1=6}{d_2=8}$ $L=d_1d_2$

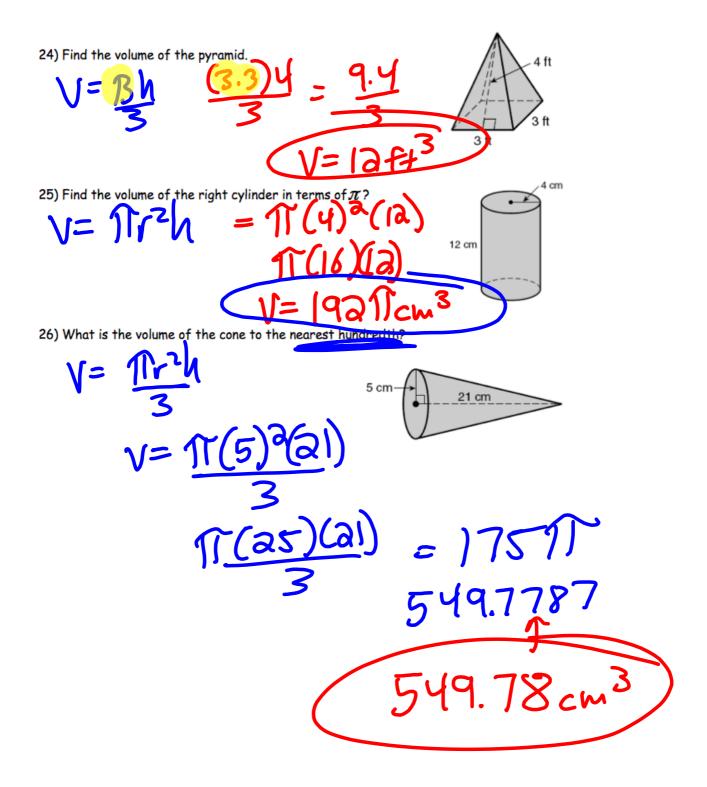
- 19) Name a 3 dimensional figure that does not have a vertex.
- 20) What is the classification of a 3-dimensional figure if the base is a square and the lateral faces are triangular?
- 21) Half of a sphere is a _
- 22) In a square pyramid, state the number of: (fill in each of the 3 answers)
 - a) faces = ______ b) vertices = _____ c) edges = ___

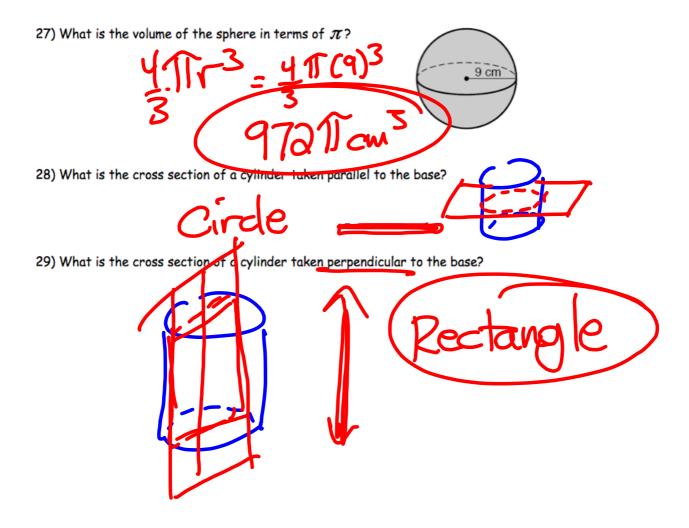
23) Find the volume of the prism.



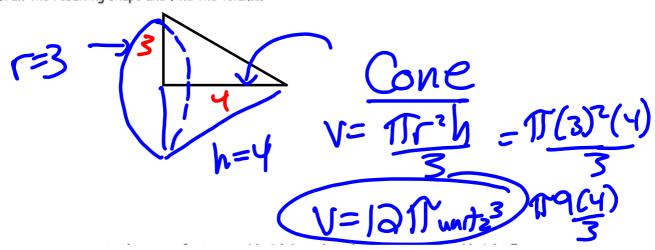








30) A right triangle with legs lengths 3 and 4 is revolved around the side of length 4. Draw the resulting shape and find the volume.



31) The density of brass is 549 lb/ft^3 . If you have a brass figure with volume of 0.4 ft^3 , how much is it worth if brass costs \$1.12 per ounce?

$$.4 \text{ ft}^3 - \frac{549 \text{ lb}}{1 \text{ ft}^3} = 219.6 \text{ lbs}$$

$$\frac{219.6 \text{ Hs}}{1 \text{ Hz}} = 3513.6 \text{ oz}$$

$$3513.6 \text{ oz}$$
 1.12 $= 3935.23

32) A brick patio measures 3 ft. by 8 ft. by 6 inches. Find the volume of the bricks. If the density of the bricks is 135 pounds per cubic foot, what is the weight of the patio in pounds?

33) Denver, CO has a population of 649,495 and an area of 155 square miles. What is the population density of Denver?

Study for test tomorrow!