Geometry 1 - Mr. C. - Trig. Table & Add/Sub Calculator OK. Name_____

Week 9 Practice for Exam 2

Date_____ Period____

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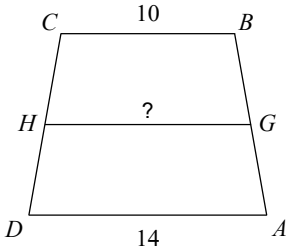
Find the length of the midsegment of each trapezoid.

1)

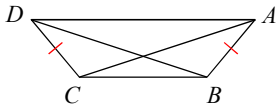


Find the measurement of the angle indicated for each trapezoid.

2)

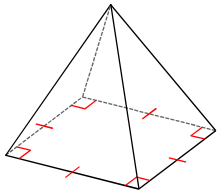
Find the length of the diagonal indicated for each trapezoid.

3) $BD = 16x + 2$
$AC = 19x - 1$
Find BD



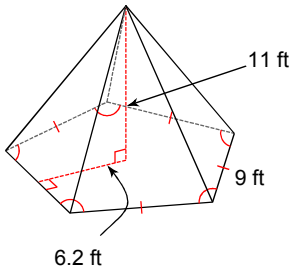
Name each figure.

4)

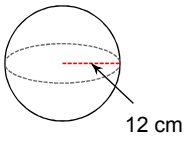


Find the volume of each figure. Round your answers to the nearest tenth, if necessary. Leave your answers in terms of π for answers that contain π.

5)

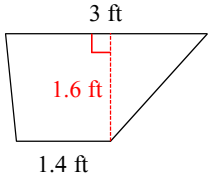


6)



Find the area of each.

7)



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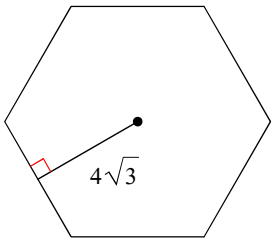
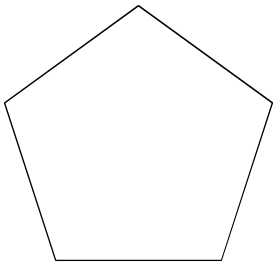
Find the area of each regular polygon.

8)



Find the area of each figure. Round your answer to the nearest tenth. Tip: you will probably need to use SOHCAHTOA & your trig. tables

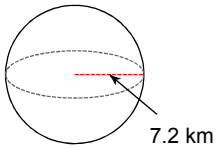
9)



Perimeter = 25 in

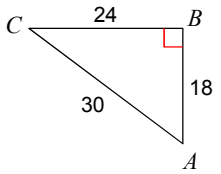
Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary. Leave your answers in terms of π for answers that contain π.

10)



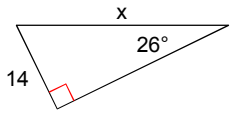
Find the value of each trigonometric ratio.

11) sin *A*



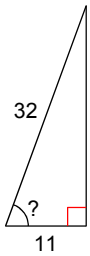
Find the missing side. Round to the nearest tenth.

12)



Find the measure of the indicated angle to the nearest degree.

13)



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Answers to Week 9 Practice for Exam 2 (ID: 1)

1) 12

2) 115°

3) 18

4) square pyramid

5) 511.5 ft³

6) 2304π cm³

7) 3.52 ft²

8) $96\sqrt{3}$

9) 43 in²

10) 207.36π km²

11) $\frac{4}{5}$

12) 31.9

13) 70°

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