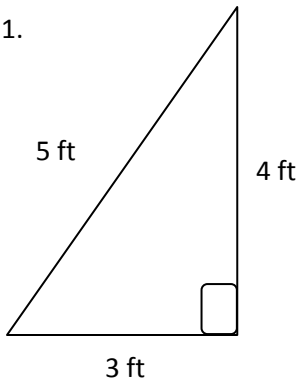
Name:_____ Date:_____ Block:_____

NOTES

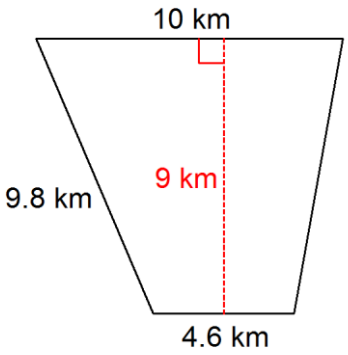
Chapter 9 Review #1

Find the area of the following

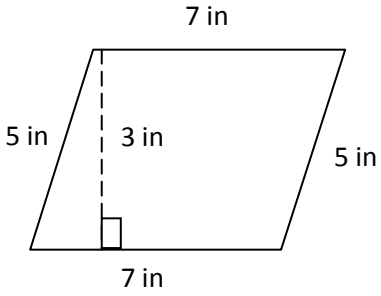
1.



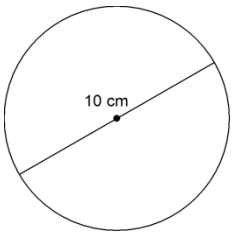
2.



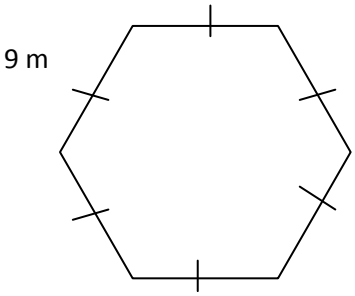
3.



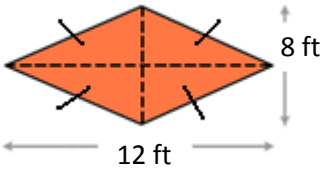
4.



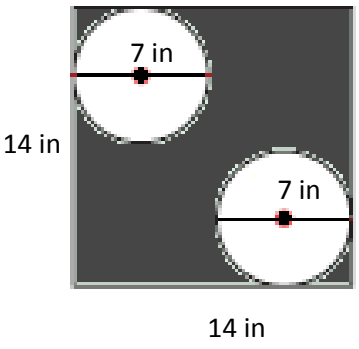
5.



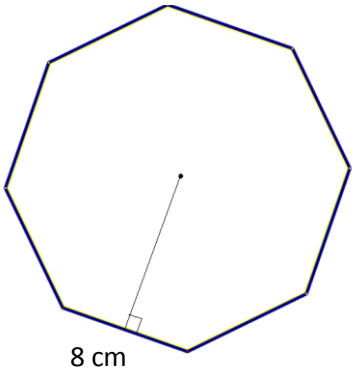
6.



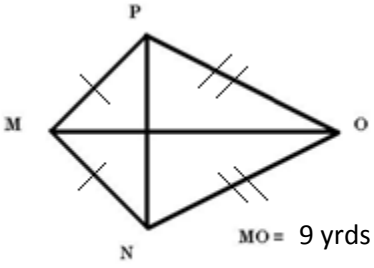
7.



8.



9.



MO = 9 yrds

NP = 4 yrds

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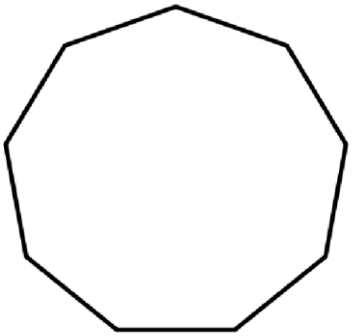
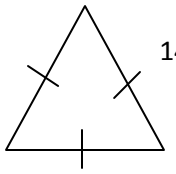
10. Fill in the missing information and label the diagram (i.e. draw in exterior angles)



Name:_____
1 int. angle:_____
1 ext. angle:_____
Sum of int. angles:_____
Sum of ext. angles:_____

Answer the following questions:

11. Find the area of the following. (Exact Answer Only)



12. Find the number of sides of a convex polygon if the measure of its interior angles has the sum of 10,440°.

13. Find the number of sides of a regular convex polygon if one exterior angle is 7.2°.

14. Draw a concave polygon.

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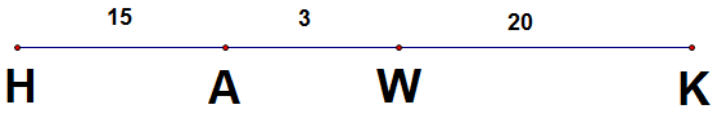
Answer the following questions:

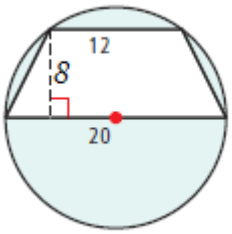
15. A point chosen randomly on $\overline{HK}$.
    a. What is the probability that the point is on $\overline{AW}$?

    b. What is the probability that the point is on $\overline{HW}$?

    c. What is the probability that the point is not on $\overline{AW}$?



16. Let's say I throw a dart and it lands in the circle what is the probability that the dart lands in the…



    a. Shaded Region

    b. Trapezoid

    c. Circle

17. Find the area of a regular decagon with a radius of 10 in.

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18. The circumference of a circle is 28π meters. Find the area of the circle. (leave in terms of π)

19. The area of a parallelogram is 108 square feet. If the parallelogram has a base of 4 feet, what is the height of the parallelogram?

20. Find the number of sides of a regular polygon with each exterior angle equal to 18°.

21. Find the Area of Trapezoid TOYS.