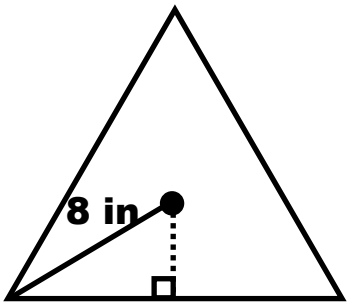
Review: AREA OF REGULAR POLYGONS, CIRCLES, COMPOSITE FIGURES, & SHADED REGIONS

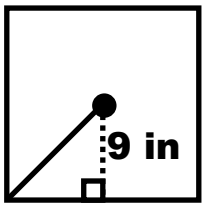
NAME: _____ DATE:_____ PERIOD:_____

1) Find the area of each of the regular polygons below.



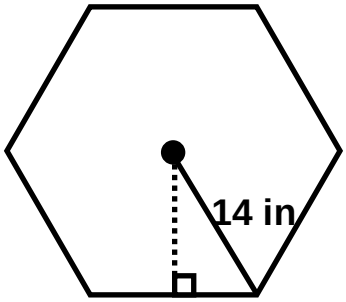
A = _____

2) Find the area of the regular polygon below.



A = _____

3. Find the area of the regular hexagon below.



A = _____

4. Find the area of a regular pentagon, whose side length is 12.

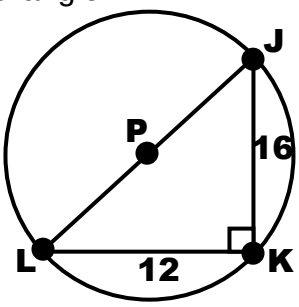
A = _____

5. Find the EXACT area and circumference of a circle whose diameter is 10 cm.

A = _____

C = _____

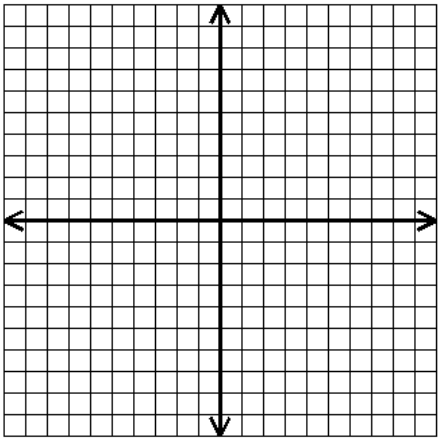
6. Find the EXACT area and circumference of the circle with the inscribed triangle.



A = _____

C = _____

7. Graph the diameter on the coordinate plane below and find the area of the circle.
A(1, 4) B(-2, 0)

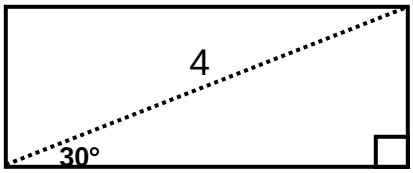


A = _____

8. The perimeter of a rectangle is 52 in. with one side 8 in. Find the area of the rectangle.

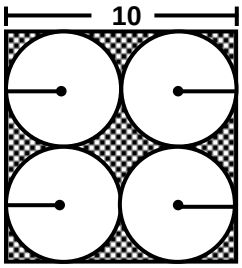
Area = _____

9. Find the area of the rectangle.



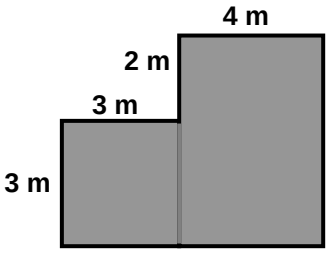
Area = _____

10. Find the area of the shaded region below.



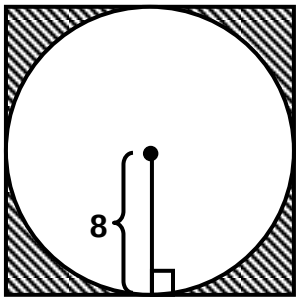
A = _____

11. Find the area of the figure below.



Area = _____

12. Find the area of the shaded region below.



A = _____

13. Find the area of the figure below. The hexagon and triangle are both regular. The side length is 4

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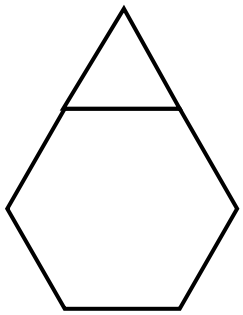
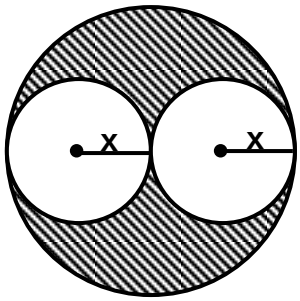


A = _____

14. What is the probability of a randomly thrown dart hitting the shaded region in the figure?



$P_{(\text{SHADED REGION})}$ = _____

15. A gardener buys gravel to cover an area of land in his back yard. He pays $3.00 for 2 square feet of gravel cover. He needs to cover a circular area that has a 32 foot diameter. How much did he pay for the gravel?

$ = _____