

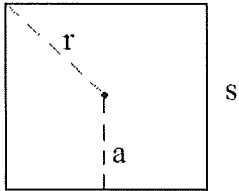
Name: _____

Geometry Homework

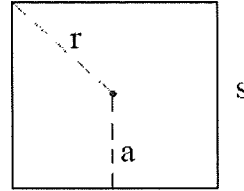
Area of Squares Given Side length (s), Radius (r), Apothem (a) and/or perimeter (p).

Directions: Find the exact area of the square. Circle your final answer.

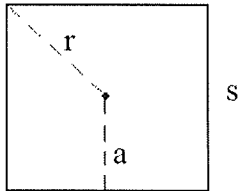
1. $s = 12\text{m}$



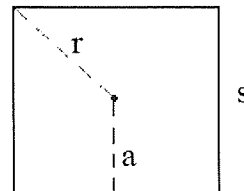
2. $s = 22\text{in}$



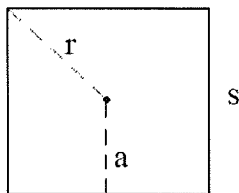
3. $p = 24\text{m}$



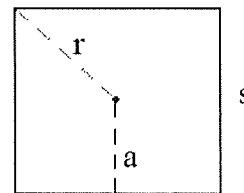
4. $p = 104\text{in}$



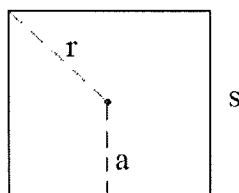
5. $a = 10\text{m}$



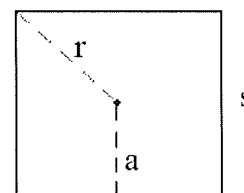
6. $a = 14\text{in}$



7. $r = 8\text{m}$



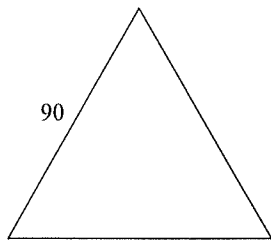
8. $r = 16\text{in}$



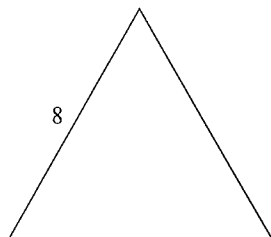
Area of Equilateral Triangles and Regular Hexagons Date _____ Period _____

Find the area of each regular polygon. Leave your answer in simplest form.

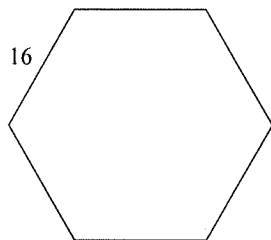
1)



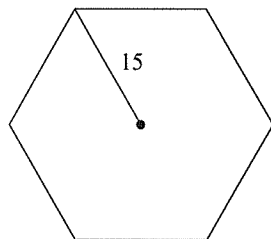
2)



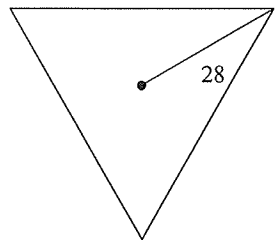
3)



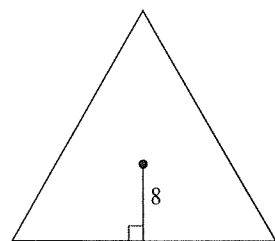
4)



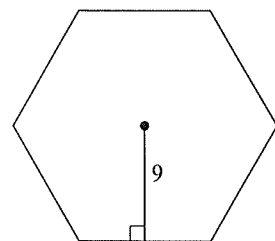
5)



6)



7)

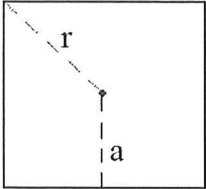


Name: Key - These are Solutions only - ALL students must show work!!!

Geometry Homework
Area of Squares Given Side length (s), Radius (r), Apothem (a) and/or perimeter (p).

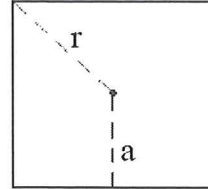
Directions: Find the exact area of the square. Circle your final answer.

1. $s = 12\text{m}$



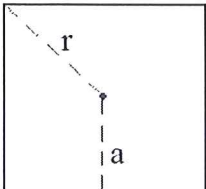
$$A = 144\text{m}^2$$

2. $s = 22\text{in}$



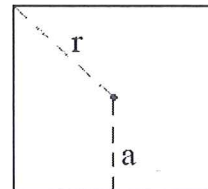
$$A = 484\text{in}^2$$

3. $p = 24\text{m}$



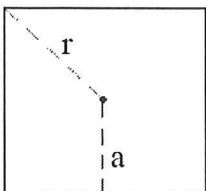
$$A = 36\text{m}^2$$

4. $p = 104\text{in}$



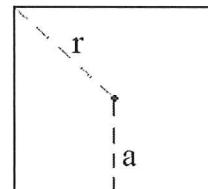
$$A = 676\text{in}^2$$

5. $a = 10\text{m}$



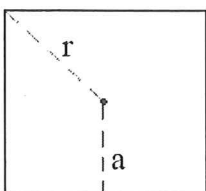
$$A = 400\text{m}^2$$

6. $a = 14\text{in}$



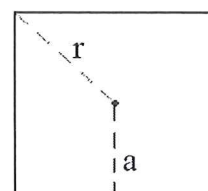
$$A = 784\text{in}^2$$

7. $r = 8\text{m}$



$$A = 128\text{m}^2$$

8. $r = 16\text{in}$

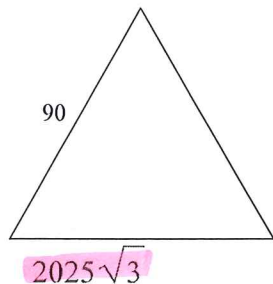


$$A = 512\text{in}^2$$

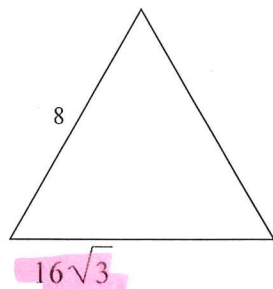
Area of Equilateral Triangles and Regular Hexagons Date _____ Period _____

Find the area of each regular polygon. Leave your answer in simplest form.

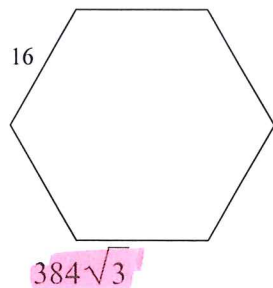
1)



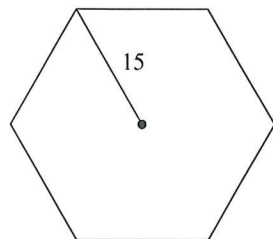
2)



3)

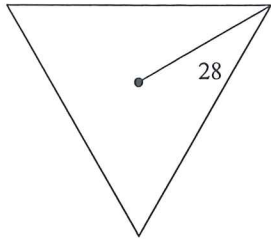


4)



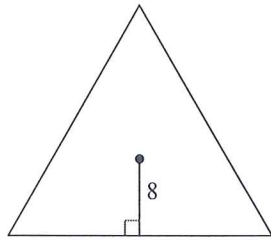
$$\frac{675\sqrt{3}}{2} = 337.5\sqrt{3}$$

5)



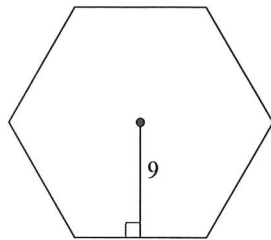
$$588\sqrt{3}$$

6)



$$192\sqrt{3}$$

7)



$$162\sqrt{3}$$