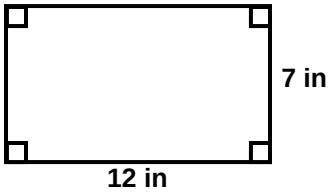
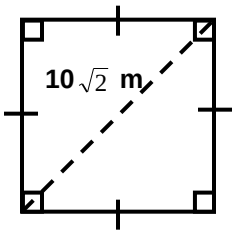
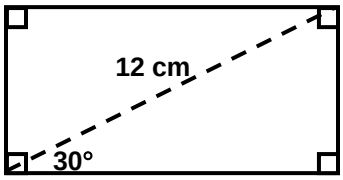
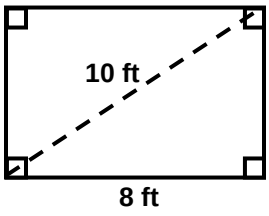
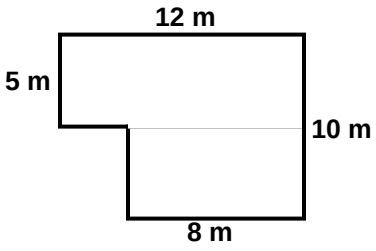
NAME_____**DATE**_____**PER.**_____

TEST #11: PERIMETER & AREA REVIEW

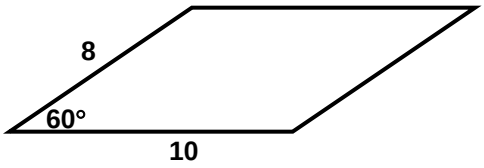
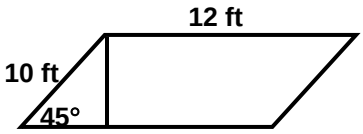
PART 1: Perimeter & Area of Rectangles

Find the area and/or perimeter for each of the following.

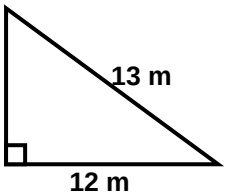
1. P = _____ A = _____	
2. P = _____ A = _____	
3. P = _____ A = _____	
4. P = _____ A = _____	
5. P = _____ A = _____	

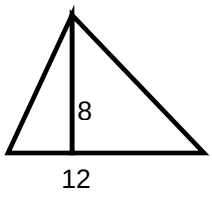
6. A = _____	Find the area of a square with a perimeter of 80 cm.

PART 2: Perimeter & Area of Parallelograms
Find the indicated measure(s) for each of the following.

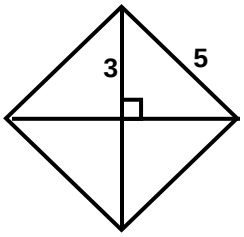
7. A = _____	Find the area of a parallelogram with a base of 12m and a height of 6m.
8. P = _____ A = _____	
9. b = _____	Find the base of a parallelogram with a height of 5 inches and an area of 95 square inches.
10. P = _____ A = _____	

PART 3: Perimeter & Area of Triangles Find the indicated measure(s) below.

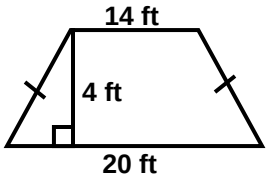
11. A = _____	

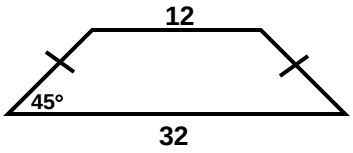
12. A = _____	Find the area of an equilateral triangle with a perimeter of 30.
13. A = _____	Find the area of the triangle shown 

PART 4: Perimeter & Area of Rhombi Find the indicated measure(s) below.

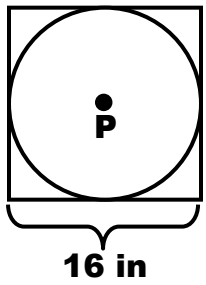
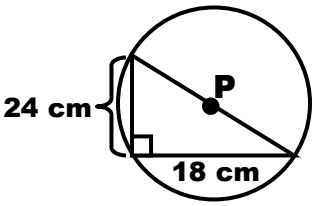
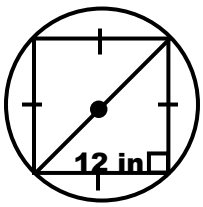
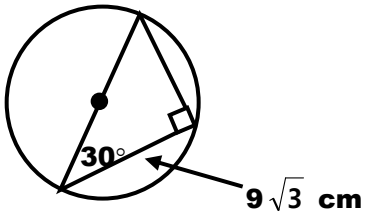
14. P = _____ A = _____	
15. A = _____	Find the area of a kite with diagonals of 14 cm and 10 cm.

PART 5: Perimeter & Area of Trapezoids Find the indicated measure(s) below.

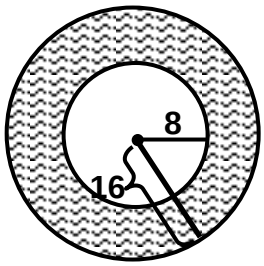
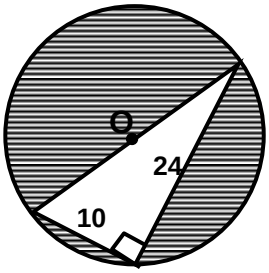
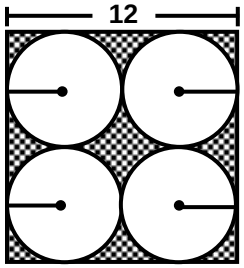
16. P = _____ A = _____	
17. h = _____	Find the height of a trapezoid with bases 9 and 6 and an area of 120 square units.

18. P = _____ A = _____	

PART 6: Circumference & Area of Circles
Find the circumference and area of each circle as indicated.

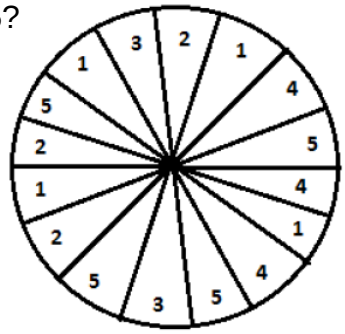
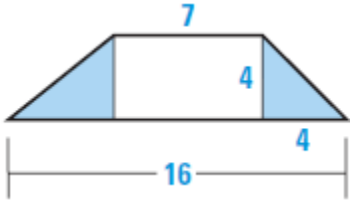
19. C = _____ A = _____	
20. C = _____ A = _____	
21. C = _____ A = _____	
22. C = _____ A = _____	

PART 7: AREA OF COMPOSITE FIGURES

23. A = _____	
24. A = _____	
25. A = _____	

PART 8: CHANGING DIMENSIONS and GEOMETRIC PROBABILITY

26. New Area = _____	A trapezoid has an area of 256 square inches. Find its new area if its dimensions were reduced to one-fourth their original length.

27. Original Area = _____	The dimensions of a triangle are tripled to form a new triangle. If the area of the new triangle is 81 square feet, how many square feet were in the area of the original triangle?
28. New Area = _____	A TV screen measures 20 by 15 inches. If each dimension is increased by a factor of one-and-a-half, what is the area of the new screen?
29. New Area = _____	The corner of a 3 by 3 square on a computer screen is clicked on and dragged so that the rectangle formed has twice the length and half the width of the original square. What is the area of the new figure?
30. _____	What is the probability of spinning a 4 or 5? 
31. _____	Find the probability that a point chosen at random in the trapezoid shown is in the UNSHADED region. 

32. _____	Find the probability that a point chosen at random is not on BC.