Name: _____ Date: _____ Row: _____ Period: _____

CHAPTER 11: AREAS OF PLANE FIGURES

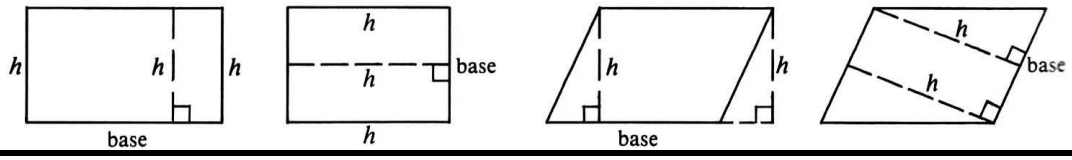
NOTES SECTION 11.1: AREAS OF RECTANGLES

POSTULATE

AREA CONGRUENCE POSTULATE

AREA ADDITION POSTULATE

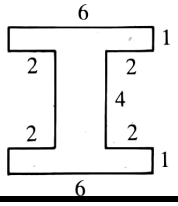
BASE & ALTITUDE/HEIGHT



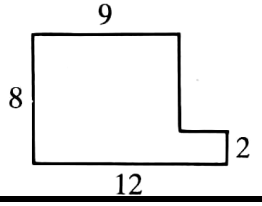
THEOREM

1-4: Consecutive sides of the figures are perpendicular. Find the area of each figure.

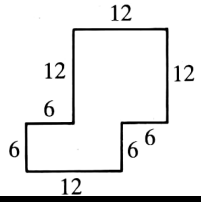
1)



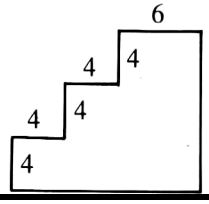
2)



3)



4)



5) Find the side of a square if its area is _____.	6) Find the perimeter of a square if its area is _____.	7) Find the area of a square if its perimeter is _____.	8) Find the area of a rectangle if its perimeter is 30 and its base is _____.
9-20: Refer to rectangles.			
9) Find the height. $b = 12\,\text{ft},\ A =$ ____	10) Find the area. $b = 5\sqrt{3},\ h =$ ____	11) Find the area. $b = \sqrt{6},\ h =$ ____	12) Find the area. $b = 3x,\ h =$ ____
13) Find the area. $b = y + 1,\ h =$ ____	14) Find the area and the perimeter. $b = 12\,\text{cm},\ h =$ ____	15) Find the height and the area. $b = 22\,\text{cm},\ p =$ ___	16) Find the base and the area. $h = 9\,\text{cm},\ p =$ ____
17) Find the base and the perimeter. $h = 18\,\text{ft},\ A =$ ____	18) Find the area and the perimeter. $b = 3\sqrt{2},\ h =$ ____	19) Find the height and the area. $b = 2x,\ p =$ ____	20) Find the area and the perimeter. $b = y + 5,\ h =$ ___