Geometry
Area

A, Multiple Choice. Write the letter for the best answer in the space provided.

_____ **1. The *area* of a rectangle is found by:**

a. adding the length of all its sides
b. multiplying the length of all its sides
c. adding the length of two of its sides
d. multiplying the length by the height
e. none of the above

B. Calculations. 2. – 10. Calculate the *area* of each square. Reduce fractions to their lowest terms. Write your answer in the space provided.

	Length	Height	Area	
2.	2	2	_____	Sq. units
3.	3	3	_____	Sq. units
4.	4	4	_____	Sq. units
5.	5	5	_____	Sq. units
6.	6 ½	6 ½	_____	Sq. units
7.	7 ¾	7 ¾	_____	Sq. units
8.	8 3/8	8 3/8	_____	Sq. units
9.	9 5/8	9 5/8	_____	Sq. units
10.	10 3/16	10 3/16	_____	Sq. units

SQUARE

C. Calculations. 11 – 20. Calculate the a*rea* of each rectangle. Reduce fractions to their lowest terms. Write your answer in the space provided.

	Length	Height	Area	
11.	2	1	_____	Sq. units
12.	3	2	_____	Sq. units
13.	4	3	_____	Sq. units
14.	5	3	_____	Sq. units
15.	5	4	_____	Sq. units
16.	6 ½	3	_____	Sq. units
17.	7 ½	4 ½	_____	Sq. units
18.	8 1/8	6 ¼	_____	Sq. units
19.	9 7/8	8 1/8	_____	Sq. units
20.	11 1/16	9 7/8	_____	Sq. units

RECTANGLE

D, Multiple Choice. Write the letter for the best answer in the space provided.

_____ 21. The *area* of a triangle is found by:

a. adding the length of all its sides
b. multiplying the base by the height
c. adding the length of two of its sides
d. multiplying the base by the height by ½.
e. none of the above

E. Calculations. 22 – 30. Calculate the *area* of each rectangle. Reduce fractions to their lowest terms. Write your answer in the space provided.

	Base	Height	Area	
22.	2	3	_____	Sq. units
23.	3	4	_____	Sq. units
24.	3	5	_____	Sq. units
25.	4	5	_____	Sq. units
26.	5	5	_____	Sq. units
27.	5 ½	6	_____	Sq. units
28.	6 ¾	7 ½	_____	Sq. units
29.	$6\ ^{3}/_{8}$	8 ¾	_____	Sq. units
30.	$8\ ^{5}/_{16}$	$7\ ^{3}/_{8}$	_____	Sq. units