

New Concepts

- Hypotenuse

Problem Set #22

*“Education is what survives when what has been learned has been forgotten.”*

- B.F. Skinner

New Postulates and Theorems

- Theorem 28 – If two angles and a non-included side of one triangle are congruent to the corresponding parts of another triangle, then the triangles are congruent. (AAS)
- Theorem 29 – If the hypotenuse and a leg of one right triangle are congruent to the corresponding parts of another right triangle, then the triangles are congruent. (HL)

Exercises:

p.144 #3-10, 13-21odd, 22

Problems:

22-1 The Big Isosceles Triangle

Given isosceles  $\triangle ABC$  ( $AC = BC$ ) and the fact that  $AB = AE = ED = DC$ , find the measure of  $\angle BAC$ .

