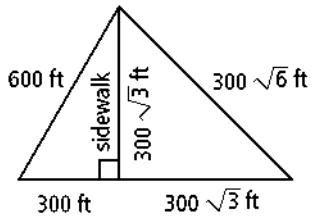
19) The formula $P = 4\sqrt{A}$ relates the perimeter *P*, in units, of a square to its area *A,* in square units. What is the area of the square window shown below?

20) The velocity of an object dropped from a tall building is given by the formula $v = \sqrt{64h}$, where *v* is the velocity, and *h* is the height. If the Velocity is 32ft/s at the ground level, from what height was the ball dropped?

21) The formula $A = 6V^{\frac{2}{3}}$ relates the surface area *A*, in square units, of a cube to the volume *V,* in cubic units. What is the volume of a cube with surface area 486 in.^{2}?

22) A park in the shape of a triangle has a sidewalk dividing it into two parts.



a. If a man walks around the perimeter of the park, how far will he walk?

b. What is the area of the park?

Homework: Finish this sheet, and Pg. 395 #9-33 multiples of 3; and #41.

(For #41, see example 5 on page 394 first.)