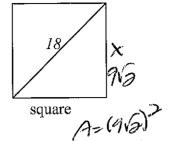
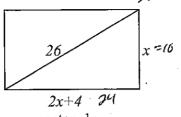
Find the areas of the following.

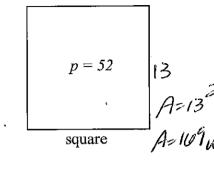


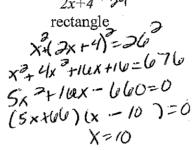


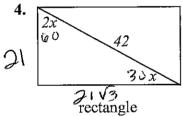
2.



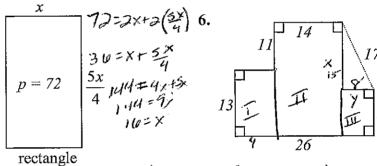
3.

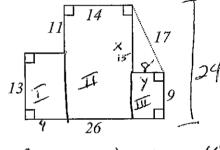












$$A_{I} = 13(4)$$
  $A_{II} = (4)(8)$   
= 50 = 70

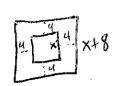
AI = 14(24) Total=4600

Solve the following word problems.

7. A rectangle has base and height which are consecutive even integers. If the area is 20 more than the square of the shorter side, what is the area of the rectangle?

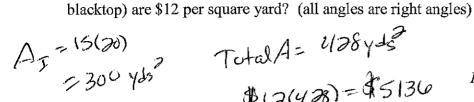


8. A square pool has a walkway around it which is 4 feet wide. If the area of the walkway is 384 square feet, find the area of the pool.



$$(x+8)^{2}-x^{2}-384$$
  
 $x^{2}+16x+64-x^{2}-384$   
 $16x^{2}-30$   
 $x^{2}=30$ 

Apoi = 200 ft 2



$$A_{T} = 15(20)$$

$$= 1300 \text{ y/s}^{2}$$

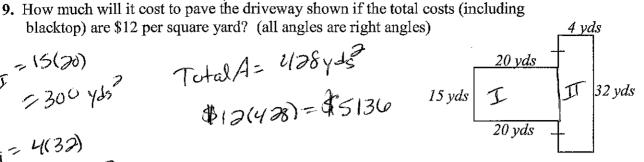
$$A_{T} = 4(32)$$

$$= 128 \text{ y/s}^{2}$$

$$= 128 \text{ y/s}^{2}$$

$$= 128 \text{ y/s}^{2}$$

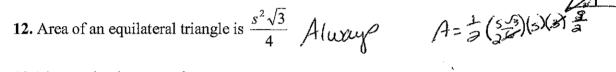
$$= 128 \text{ y/s}^{2}$$



10. The perimeter of a room is 46 units, and its length is 3 more than its width, find its  $\sqrt{}$ 

Answer #'s 11-13 with Always, Sometimes, or Never

11. A scalene triangle has three altitudes of equal length. Never



13. Figures that have equal areas are congruent.

For #'s 14-17, find the areas of the given figures.

