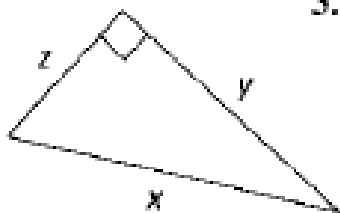
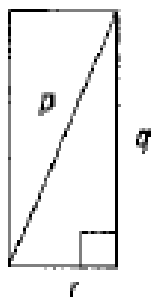


2.



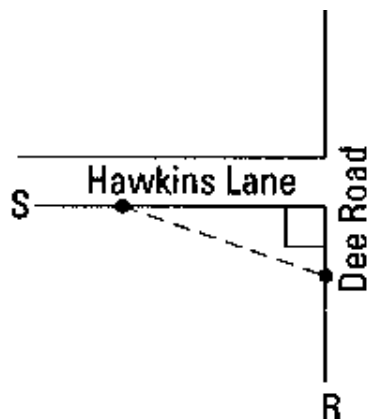
- a.           x            
 b.           y, z

3.



- a.           p            
 b.           q, r

6). Rodolfo lives at point R and Steve lives at S. When Rodolfo walks to Steve's house, he can walk 2 blocks along Dee Road and 6 blocks along Hawkins Lane.



a. How long is Rodolfo's walk along Dee Road and Hawkins lane?

**8 blocks**

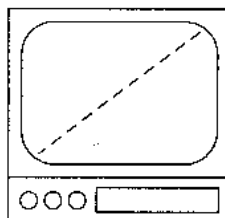
b. Rodolfo can take a shortcut shown by the dotted line. To the nearest tenth of a block, how long is the shortcut?

**6.3 blocks**

c. How much shorter is it for Rodolfo to take the shortcut than to walk along the roads?

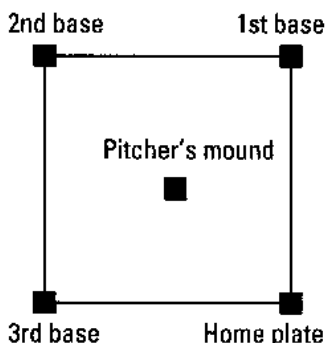
**≈ 1.7 blocks**

8) The size of a television screen is determined by the length of a diagonal. A 25-inch screen measures 25 inches along the diagonal. What is the size of a screen that is 16 inches wide and 12 inches high?



**20-inch screen**

9) A major league baseball diamond, the infield, is actually a square that measures 90 feet on a side.



a. What is the distance, to the nearest foot, from 1st base to 3rd base?

**127 feet**

b. The pitcher's mound is 60.5 feet from Home plate. Is this the center of the infield? Explain your answer.

**Sample: no; the center would be about**

**63.6 feet from Home plate.**