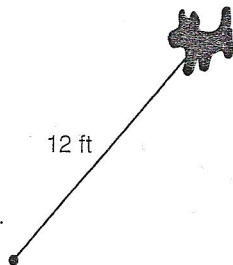


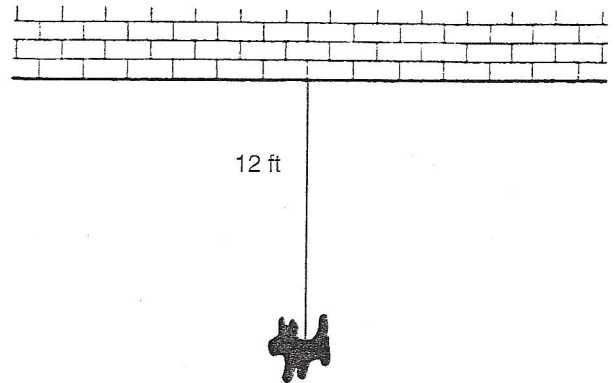
Area of Circular Regions

Robin is going to fix a chain to tie up his dog Rover. There are several places in the yard that Robin can attach the end of the chain. For each of the following, use a compass to draw the space that Rover can reach while on the end of a 12-foot chain. Then find the area.

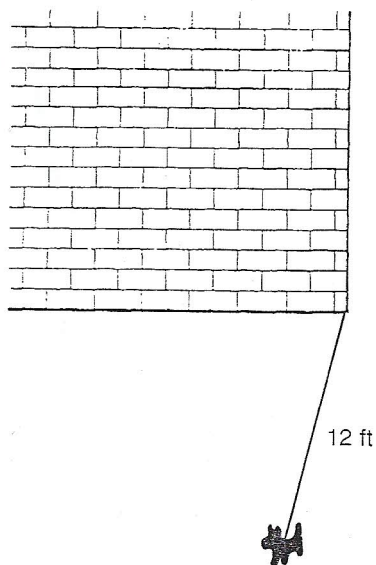
1. Rover's chain is attached to a stake in the middle of the yard.
area =



2. Rover's chain is attached to a long wall.
area =



3. Rover's chain is attached to the corner of the house.
area =



4. Rover's chain is attached to a 4-foot by 18-foot rectangular shed.
area =

