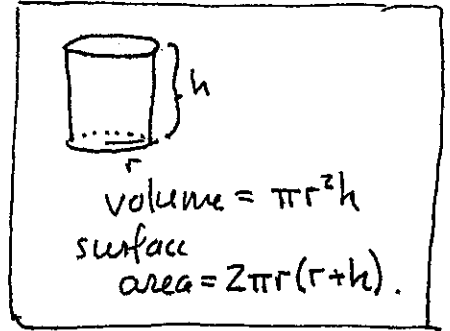


Discussion problems for 10/8/13

1) How much area (in square feet) can be enclosed in a rectangle by 8 feet of fence?

2) What is the least amount of fence needed to enclose a rectangle of area 10 square feet?

3) What is the smallest possible surface area of a cylinder of volume 500 cm^3 ?



4) What is the shortest distance from the point $(3,4)$ to the line given by $4x+3y=12$?

