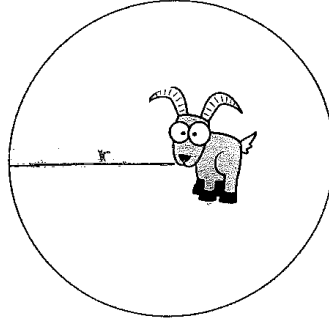


Name _____ Period _____

CIRCLE PROBLEMS



Circumference: $C = 2\pi r$

Area: $A = \pi r^2$

1) How long should the rope be if a goat needs to eat 38.5 square feet of grass?

2) How long should the rope be if a goat needs to eat 7.07 square feet of grass?

3) How much fencing is needed for 12.57 square feet of grass?

4) How much grass can the goat eat if the rope is 0.50 ft long?

5) How much fencing is needed for 176.72 feet of grass?

6) How much grass can the goat eat if the rope is 1.75 ft long?