question 6) con grating

a) 10 ×10 m2 shed

L= 20n

: shope



$$= \frac{300\pi + 30\pi}{350\pi \text{ units}}$$

- 5) If 12200, then there will be intersection of creas. The ecu mill able to graze nove but there would be redundancy in novements.
- c) spherical environment

- r = 10km = 10,000 m

- Arec = Ser2

: 12 = 211 (1- c56)

= d = 20 = 0.002 rad.

2β = 10 = e.cc1 rad.

:- A, = 3-2712 [1-cus4]

= A2 = 2 - 2 Tr2 (1- ces P)

Hres: A, +A2 = πr²[s-3csq-2ccsβ]
= (359.999895835π uniks)

The answer m c) part is very close to a) part because the square and rape's dimensions are very less compared to sphere, so it can be approximated for a plane.