1) *A Cube has a lateral surface area Of $196 \ m^2$*

    a) *What is the area of one face?*

    b) *What is the length of each side?*

2) *A Cube has a total surface area Of $150 \ m^2$*

    , What is the length of each side?

3) *A Cube has a volume Of $0.216 \ m^3$*

    , What is the length of each side?

4): *The curved surface area of a cylinder is $(53 \ \pi) \ cm^2$. If the height is 5 cm. calculate its diameter*

(5): *Find the height of a pyramid of volume* $160\ m^3$

and base area $24\ m^2$?

(6): *The area of the base of the cone shown below is*

$46\ cm^2$ *and a height* $(9cm),$ *find its volume*

(7): *If the surface area of a sphere*

is $784\pi\ cm^2,$ *find its radius?*

8): *Find the diameter of a sphere*

if its volume is $\dfrac{500}{3}\pi\ cm^3$?