466: 4, 5, 8, 541 13 SA

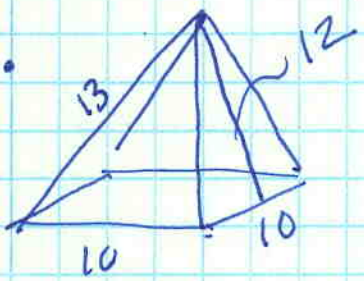
4. 340cm^2 5. $\approx 103.7\text{cm}^2$ 8. $\approx 1040\text{cm}^2$

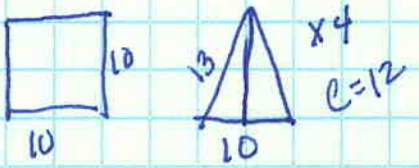
13. SA Fiji SA Etna

$92.16\pi\ \text{km}^2$ $708.75\pi\ \text{km}^2$

$289.53\ \text{km}^2$ $2226.6\ \text{km}^2$

4.



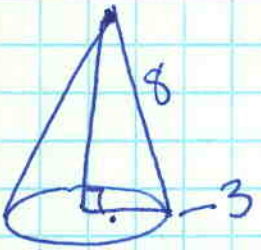


$B = 10 \cdot 10 = 100$ $\Delta = \frac{1}{2}(10)(12) = 60$

$4\Delta = 240$

Total $= 100 + 240 = \underline{340}$

5.



W-4

8.

$A_B = \frac{1}{2} s a n$ $a \approx 11$, $s = 16$, $n = 5$

$= \frac{1}{2}(16)(11)(5)$

$\underline{A_B = 440\ \text{cm}^2}$

$A_\Delta = \frac{1}{2}(16)(15)$

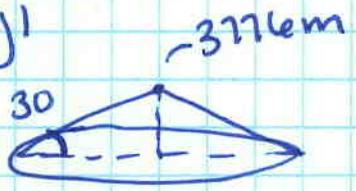
$= 120\ \text{cm}^2$

$5A_\Delta = \underline{600\ \text{cm}^2}$

$A_B + A_\Delta = 440 + 600$

$= \underline{1040\text{cm}^2}$

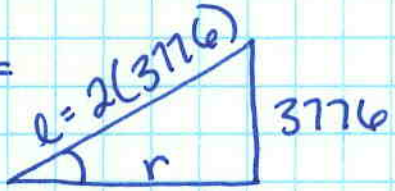
Fuji



$SA = \pi r l + \pi r^2$

$r =$

$l =$



$r = 3776\sqrt{3}$

$l = 7552$

$r = 6540.224$

$l = 7.552$ km

$r = 6.540$ km

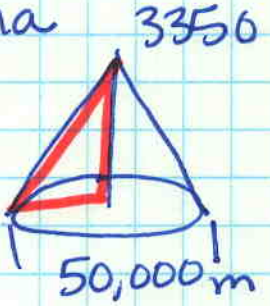
$SA = \pi(6.540)(7.552) + \pi(6.540)^2$

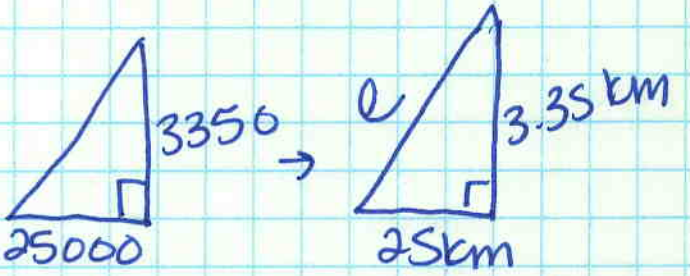
$49.39\pi + 42.77\pi$

$= 92.16\pi$

$= 289.53\ km^2$

Etna





$l^2 = (25)^2 + (3.35)^2$

$= 625 + 11.2225$

$l^2 = 636.2225$

$l = 25.22$

$SA = \pi r l + \pi r^2$

$= \pi(25)(3.35) + \pi(25)^2$

$83.75\pi + 625\pi$

$= 708.75\pi$

$= 2226.6\ km^2$