Chapter Twelve - Surface Areas & Volumes

1) $F + V = E + 2$
2) C
3) h
4) $S = B + \frac{1}{2}Pl$
5) $V = Bh$ or
6) B
7) $V = Bh$ or $\pi r^2 h$
8) $S = 2B + Ch$ or $2\pi r^2 + 2\pi rh$
9) $V = s^3$
10) a
11) $V = \frac{1}{3}Bh$ or $\frac{1}{3}\pi r^2 h$
12) $S = B + \frac{1}{2}Cl$ or $\pi r^2 + \pi rl$
13) Oblique & Rt. Solids w/ same h
14) $V = \frac{4}{3}\pi r^3$
15) $S = 2B + Ph$ or $aP + Ph$
16) $\frac{r_1}{r_2} = \frac{a_1}{b} \Rightarrow \frac{S_1}{S_2} = \frac{a^2}{b^2}$
17) $V = \frac{1}{3}Bh$
18) P
19) $S = 4\pi r^2$
20) l
21) $\frac{r_1}{r_2} = \frac{a}{b} \Rightarrow \frac{V_1}{V_2} = \frac{a^3}{b^3}$

A) Perimeter
B) Surface Area Rt. Cone
C) Apothem
D) Volume of Cube
E) Similar Solids Area Ratio
F) Surface Area Rt. Prism
G) Volume of Pyramid
H) Slant
I) Base Area
J) Volume of Cone
K) Surface Area Rt. Cylinder
L) Similar Solids Volume Ratio
M) Euler's Theorem
N) Surface Area Sphere
O) Circumference
P) Volume of Prism
Q) Height
R) Volume Sphere
S) Surface Area Reg. Pyramid
T) Cavalieri's Principle
U) Volume of Cylinder