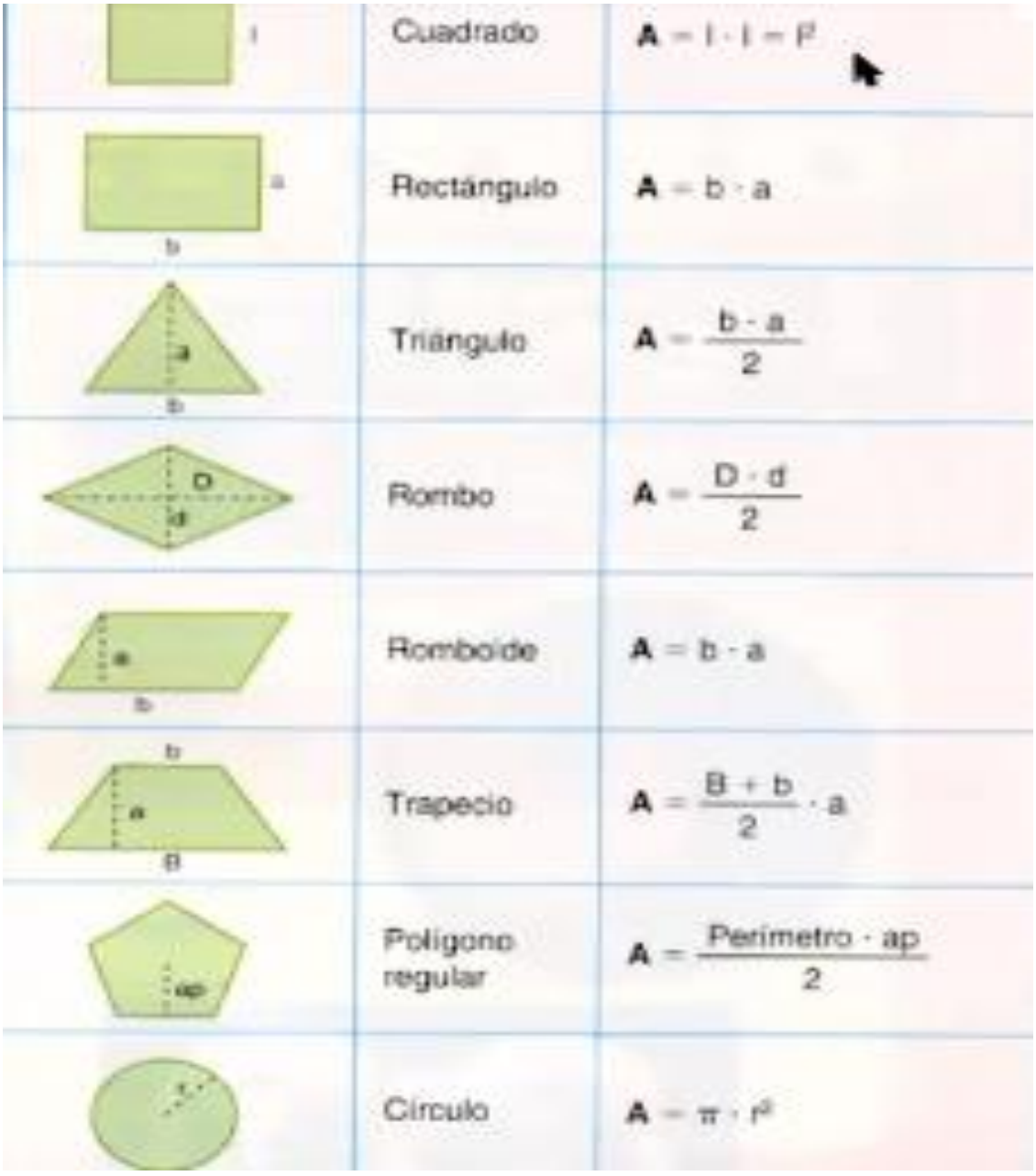
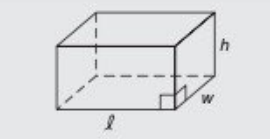
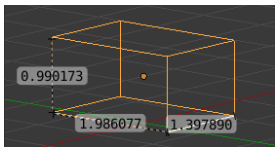
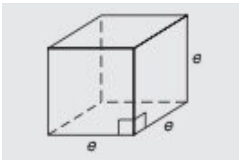
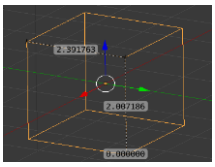
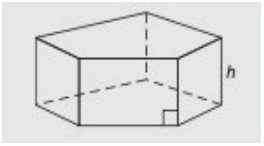
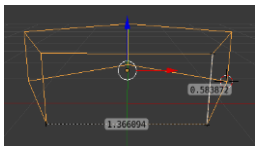
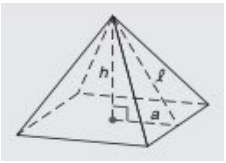
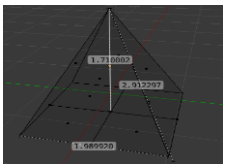
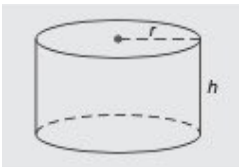
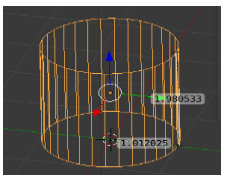
UNIVERSIDAD POLITÉCNICA SALESIANA

DISEÑO MULTIMEDIA

- NOTAS



VOLUMEN Y ÁREA DE LOS SÓLIDOS

SÓLIDO	*BLENDER*	*VOLUMEN*	*ÁREA*
		**V= lwh** V= 2 x 1.5 x 1 V= 3 cm³	**T = 2lw + 2lh + 2wh** T = 2(2)(1.5) + 2(2)(1) + 2(1.5)(1) T = 6 + 4 + 3 T = 13 cm²
		**V = e³** V = 2.4³ V = 13.8 cm³	**T = 6e²** T = 6(2.4)² T = 6 x 5.8 T = 34.8 cm²
		**V = Bh** (B=área de la base) B = Pa/2 B = 7(0.75)/2 B = 2.7 V = 2.7(1) V = 2.7 cm³	**L = hP** (P=perímetro de la base) **T = L + 2B** L = 1 x 7 L = 7 T= 7 + 2(2.7) T = 7 + 5.4 T = 12.4 cm²
		**V = 1/3Bh** (B=área de la base) V = 4(1.7)/3 V = 6.8/3 V = 2.27 cm³	**L = 1/2ℓP** (P=perímetro de la base) **T = L + B** **NOTA:** ℓ²=a² + h² ℓ = √1² + 1.7² ℓ = √1 + 2.9 = 1.9 cm L = 1.9(8)/2 L = 15.2/2 L = 7.6 T = 7.6 + 4 T = 11.6 cm²
		**V = Bh** **ó** **V = πr²h** **B = πr²** V = 3.14(1)²(2) V = 6.28 cm³	**L = 2πrh** **T = L + 2B** **ó** **T = 2πrh + 2πr²** T = 2(3.14)(1)(2) + 2(3.14)(1)² T = 12.6 + 6.3 T = 18.9 cm²