	Fluid Mechanics (FM)
	> Engineering discipline liquids (FM)
	> Study the techaniar of Mids?
	> gases (thermo-
	-dynamics)
	Static Short Morrhy (TM)
	Static Short Monty (TM) (vest) (flowing)
	Munson Ch. 1 bloomfh 7.
	FM > FL. 8 Julies (Forces)
	→ FL. Kinematics
	- blue
	- velocity
	-aceel
	-No forces
	- What Strees we have
	- West wash they say do
	- Wheet work they can do ~ experimentally determined relations.
	A N .
	Not:
	a Solid (Keeps shape, manages strain)
	100
	- needs a container Plizid - take shape of the ontenha
	gos de la compression 3 tenson
	under shear stress.
	- a continuon
	- course forces course sund montaines to
	- collesive forces cause shid mohecules to form a surface (always herizantal) - average properties (density, sp. weight, sp. granty)
_	- average propersies (dusity, sp. weight, sp. granty.
	netes: I shear, tanganial
	1001-01 2 3000 1 10 10 10 10 10 10 10 10 10 10 10 1

HW: Return solutions with 3-significant digits

$$(80 \times 10^6 \text{ kg m})(5 \text{ mm})^2 \left(\frac{1 \text{ m}}{1000 \text{ mm}}\right)^2 = 2000 \text{ kg m}^3$$