1. Navier Stokes (NS)
   #1

2. Eng's Quantities
   from velocity profile
   we get from NS
   \[ Q, J, E, \quad \nabla \tau = \frac{q}{A} \]
   #3, #5, #6 (plug in #5)

3. MEB
   #2, #4

4. Macro - Momentum BAL
   #7, #10

5. Stuff not seen in Lecture
   but it was on HW3
   - Ergun Eqn #8
   - Hydraulic Dia #9
   - Suture dropping #11