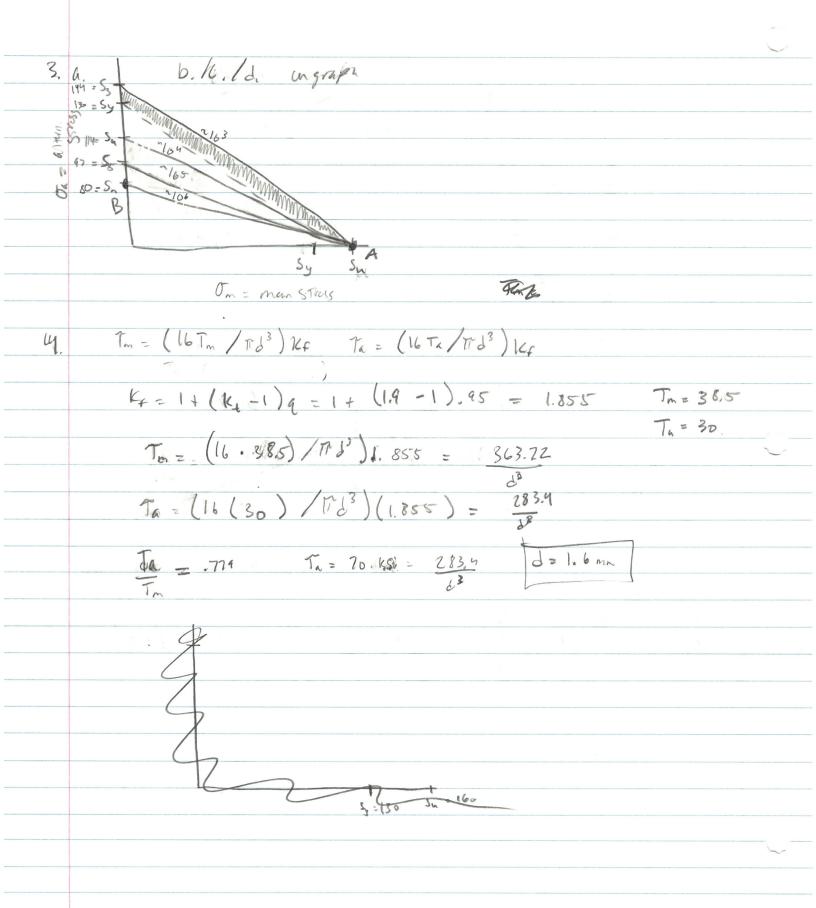
Feb. 14, 2020 Machine elements Itw4 Given: 0, = 23, 1251, 02=0, 03 = -13 125; Sy == Syc = 58 125; 1. a. $T_{\text{max}} = \frac{1}{2} \begin{bmatrix} 23 - -13 \\ -13 \end{bmatrix} = 18 \text{ IES};$ b. $\sigma_{\text{c}} = \frac{\sqrt{2}}{2} \left[(-23)^2 + (-13 - 23)^2 + (-13)^2 \right] = 31.6 \text{ Ies};$ C. N = \frac{5y}{6min 23} = 2.52 $d. N = \frac{337}{7} = \frac{58}{18} = 3.22.$ C. N= 57 5 58 = 1,83 F. The Distortion Theory is The most realistic and agree most crossing With an alter Test. S-N Curve 160 = Sut 1 2. Su = 160 KS: 144 = Ss. Sy = 130 1esi (1esi) 118 = 54 HUT 1011ed -> C5= 0.42 (7.32=58= 121m -> 80= Sy -CT= 1 Pelihairy = . 45 -> Bending = . 968 10" Lif N cycles (Log) State Cocs CTCR Si CL= Cs= CR= C6 = C+ = 1 S'_= (.5) Su = 80 KS; log(S) = 3 log 5 Log(W) + Log (3)



5. A. NUT its not Just mig ble you not centered over the pedial and you can 4150 generate more Rever from your Legs. b. 1. Video: Bottom Bracket Service: One - Piece Cranke. made by: Pank Tool Urli Pare Tool. com / blog / repair - help/ bottom - bracket - service - one - piece 11. The lugar spiner Diameter 3 regimes believe it haps support The Frame.

