

i)
$$a_{x} = 0$$
, what value for f_{y} do we need to have?

$$a_{x} = 0 \Rightarrow \text{ Fine } f_{y} \times = 0$$

$$f_{y} = mg \sin 30^{\circ} = 0$$

$$f_{y} = mg \sin 30^{\circ} = 350 \text{ N} = 0$$
in $f_{y} = N$? for $f_{y} = f_{y} = 0.05$

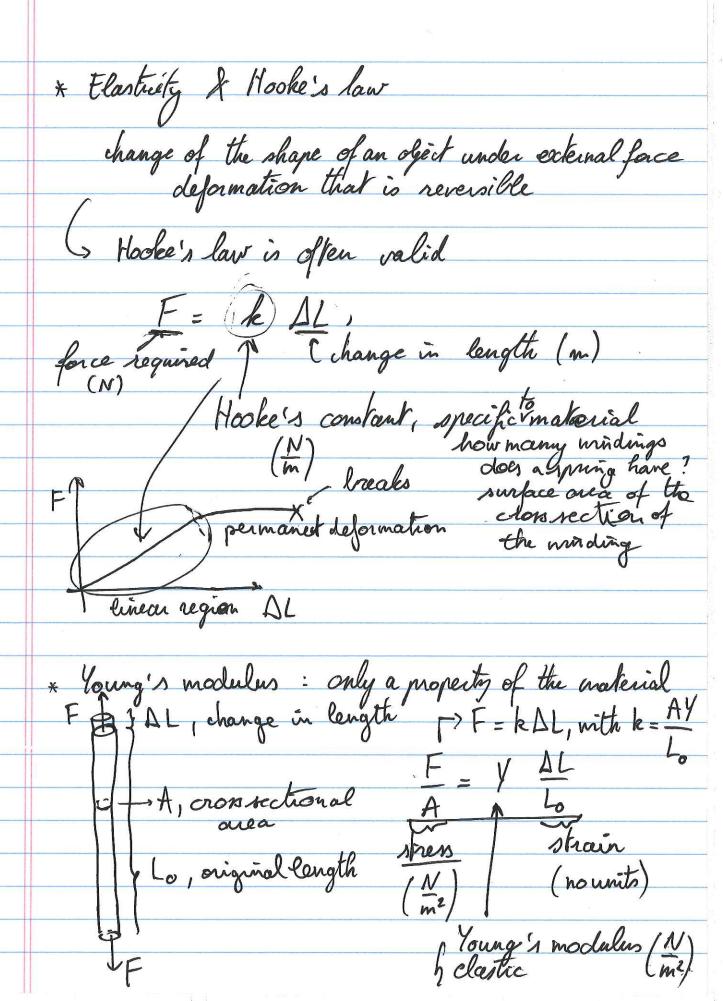
$$f_{y} = N = (0.05)(606N) \text{ for } f_{y} = 0.05$$

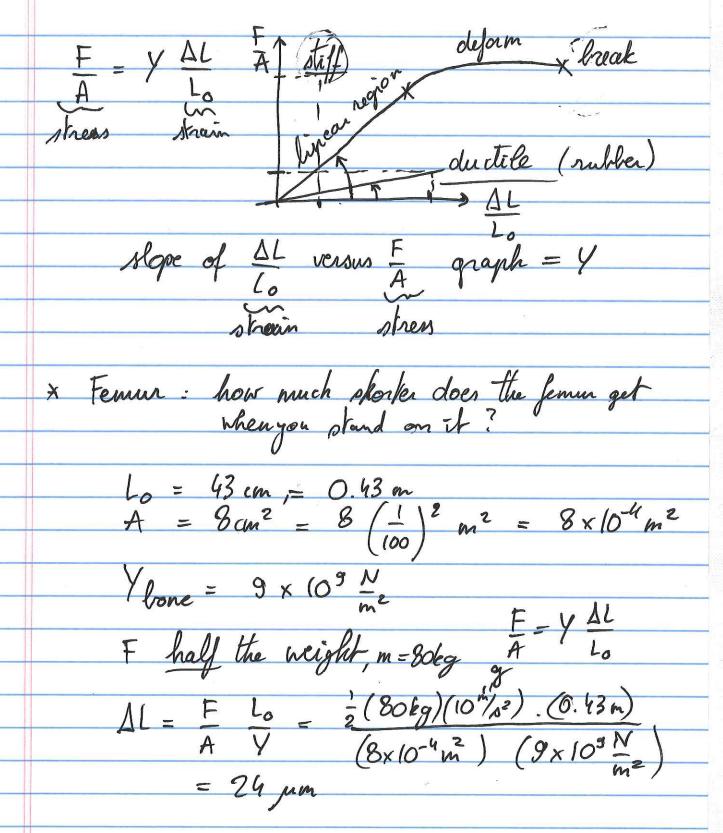
$$f_{y} = f_{y} = f_{y} = 0.05$$

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$$f_{y} = f_{y} =$$





Bone: compression: hydrenoxy apatite (erystals)
extension: collogen protein (shands) Costeoporosis: larger runeial contest in
the lone
more brittle / stiff
children: smaller mineral content -> more ductile / weaker