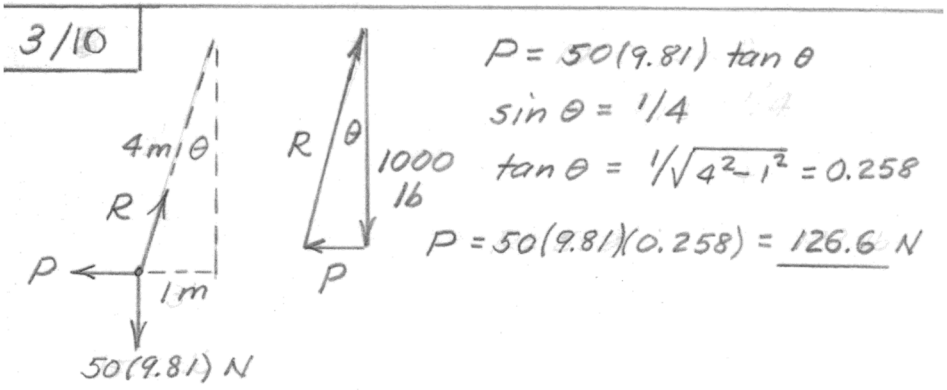
3/10



$P = 50(9.81)\tan\theta$

$\sin\theta = 1/4$

$\tan\theta = 1/\sqrt{4^2 - 1^2} = 0.258$

$P = 50(9.81)(0.258) = \underline{126.6\ \text{N}}$