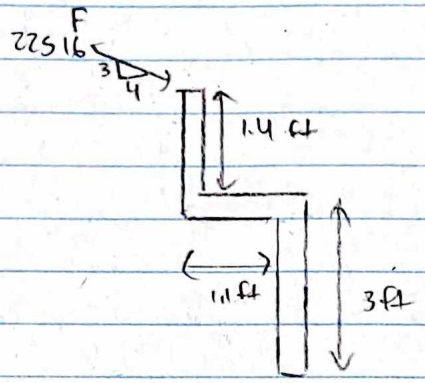
Solutions: 21-5-4.3= mk-01



$A = (-1.1, 4.4, 0$

$\vec{r} = -1.1\hat{i} + 4.4\hat{j} + 0\hat{k}$

$\vec{F} = \frac{4}{5}(225)\hat{i} + -\frac{3}{5}(225)\hat{j} + 0\hat{k}$

$\vec{F} = 180\hat{i} - 135\hat{j} + 0\hat{k}$

$\vec{M} = \vec{r} \times \vec{F} =$

$\hat{i}$	$\hat{j}$	$\hat{k}$	$\hat{i}$	$\hat{j}$
-1.1	4.4	0	-1.1	4.4
180	-135	0	180	-135

$\vec{M} = (-1.1)(135)\hat{k} - (180)(4.4)\hat{k}$

$\vec{M} = -940.5$