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		l	>   F	= [	<u> 4</u>	:bm														
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A planet of moss 3e24 kg is at location (Sell, -Sell, 0). A star of moss 4e30 kg is at location (-Sell, Sell, 0).
moss 4e50 kg is at location <-Sell, Sell, 0).
What is the position vector from the planet to the star?
$\vec{r}_{p+os} = \vec{r}_s - \vec{r}_p$
=<-10e11, 10e11, 07m
What is the magnitude of this vector?
$ \vec{r}_{ptos}  = \sqrt{- o_{ell} ^2 +  o_{ell} ^2}$
=1.4142e12 w
What is the unit vector of this vector?
$\frac{7}{V_{\rho}}$ to $s = \frac{\overline{V}}{ V }$
= <-0.7071, 0.7071, 0>
What is the magnitude of force exerted on the planet by the star?
$ F_g  = G \frac{m_1 m_2}{ F ^2}$
= 4.0326e20 N

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