6.5 Face and work

Example 2

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Fix board spring a particular ways in a constant F(x) = kx, k > 0, the spring constant $F(x) = 10 = k \cdot 0.5 \Rightarrow k \cdot 0.5$ Fix boards $F(x) = 10 = k \cdot 0.5 \Rightarrow k \cdot 0.5$

1 1 1 20×9× - 30 x 1 1 10x 1/2 1010 H

Example 3

Plane required to had a body at a distance r from the contains the earth $\frac{k}{r}$, k > 0

For 1 : R & 4000 mi (~ 6370 km), F is called the weight of the body.

 $K(L) = \frac{1}{K} \Rightarrow K = K(1) \cdot L_{3} \Rightarrow K \cdot K(K) \cdot L_{3} \Rightarrow K \cdot K(K) \cdot L_{3} \Rightarrow K \cdot L_{3} = -10 \cdot 10^{3} \left(\frac{2000}{2000} - \frac{10 \cdot 10^{3}}{10 \cdot 10^{3}}\right) = \frac{10 \cdot 10^{3}}{10 \cdot 10^{3}} \cdot \frac{10$

8.10° lb.mi - 5280 It /mi - 4.224.10° 10.54

Rachel Sonstein Jaka. But at what heite? Say the journes to arbit better 15 minutes. The along

4.284 · 109 16. 1+ = 0.8816 · 109 16. 1+ 1min Given topis 33000 \$+ 16/min, thuis

of the para lift the sakilie, the rest lift the paral of the bunched apparal. Only 21.

 $8.53.10^3$ 8.1. $X = 50.8.53.10^3 \approx 47700010$

