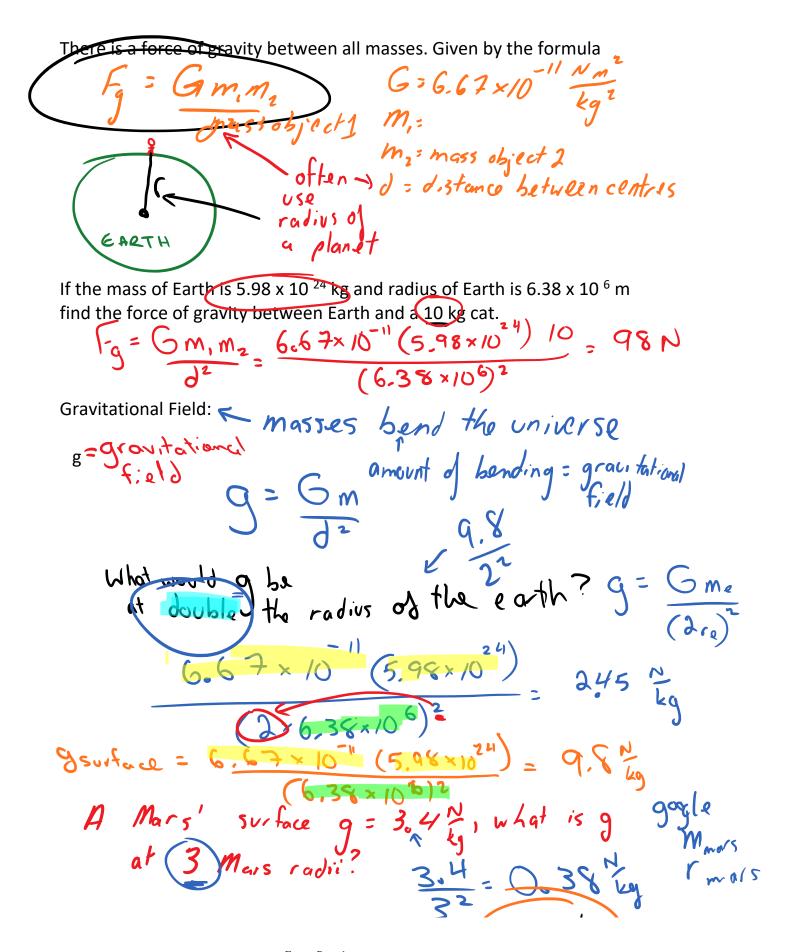
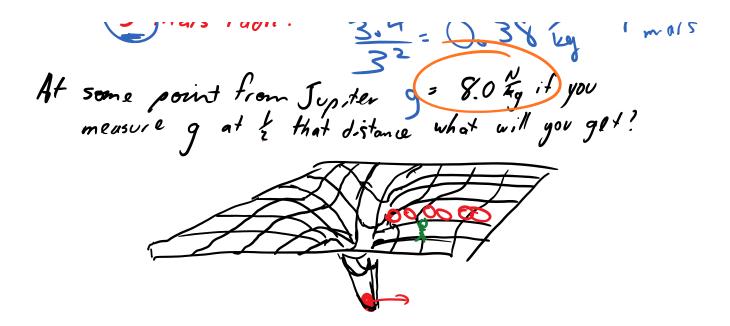
Newtons Law of Universal Gravitation

Wednesday, October 30, 2019 9:04 AM





2 cats on fire have a force of gravity 8.0×10°N between them. The distance between is doubled, what's new Fg? $\frac{8.0 \times 10}{4(2^2)}$ = 2.0 × 10⁻¹⁰N

a) 735N b) 4.45N $\frac{1/4 \times (8.7 \times 10^{5})^{2}}{(6.67 \times 10^{-11})(70)} = 1.85 \times 10^{22} \text{ kg} = 50.61 \text{ kg}$

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