

Hw19a

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$$1. a = \frac{1}{3} g$$

$$2. a = \frac{2}{3} g \sin \theta$$

$$\mu_{\min} = \frac{1}{3} \tan \theta$$

$$3. a = \frac{m - M}{m + M + \frac{1}{2} M_p} g$$

$$4. a = \frac{1}{2} g$$