Hw19a

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

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

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

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

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