5.56 Part 1
$$\mu - \frac{5V_{20}}{\mu^{2}(4\omega+1)^{2}}$$

$$\omega = -\mu \sqrt{\mu - \frac{5}{2\rho}}$$

$$\frac{4(\mu \sqrt{\mu - \frac{5}{2\rho} - 1})}{4(\mu \sqrt{\mu - \frac{5}{2\rho} - 1})}$$