$$a_{asdf} = 3.00 \tag{1}$$

$$a_2 = 11.40$$

$$\gamma_{1,2} = 1.30 \tag{2}$$

$$res_1 = \left(\frac{a_{asdf} + a_2}{\gamma_{1,2}} \right) = \left(\frac{3.00 + 11.40}{1.30} \right) = 11.08 \ mm \tag{3}$$

$$res_2 = res_1 - a_{asdf}^2 = 11.08 - 3.00^2 = 2.08 \ kg \tag{4}$$