

3.5 Variation

1. $k = \frac{3}{4} \text{ cm/lb}$

2. $x = \frac{3}{4}W$

3. 9.75 cm

4. 9.53 lb

5. smaller

6. $6.67 \times 10^{-11} \frac{m^3}{kg \, s^2}$

7. $1.89 \times 10^{20} N$