

DATA:

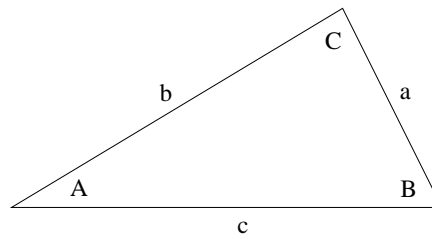
$$g = 9.8 \text{ m/s}^2$$
$$G = 6.67 \times 10^{-11} \text{ N}\cdot\text{m}^2/\text{kg}^2$$
$$1 \text{ yd} = 3 \text{ ft}$$
$$1 \text{ ft} = 12 \text{ in}$$
$$1 \text{ in} = 2.54 \text{ cm}$$

$$\sin 37^\circ = \cos 53^\circ = 0.6$$
$$\sin 53^\circ = \cos 37^\circ = 0.8$$

QUADRATIC FORMULA:

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

TRIGONOMETRY:



$$\frac{\sin(A)}{a} = \frac{\sin(B)}{b} = \frac{\sin(C)}{c}$$

$$c^2 = a^2 + b^2 - 2ab \cdot \cos(C)$$