

$$S = \frac{(a + 31) * a}{2}$$
$$S = \frac{a^2 + 31a}{2} \quad /* 2$$

$$360 = a^2 + 31a$$

$$a^2 + 31a - 360 = 0$$

$$D = 2401$$

$$a_{1,2} = \frac{-31 \pm \sqrt{2401}}{2} = \begin{cases} -40 \\ 9m \end{cases}$$

$$a=9m$$

$$b=a+31=40m$$

$$c=\sqrt{a^2 + b^2}$$

$$c=41m$$

