System of Equations $\frac{x^2}{a^2} + \frac{y^2}{b^2} = r$

Legend:
- $2x^2 + 3y^2 = 10$
- $y = 2x + 1$
- Solution Point(r=10)

$a = \sqrt{\frac{10}{2}}$ $b = \sqrt{\frac{10}{3}}$