

# A simple process

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- Since  $8.8 + \sqrt{\text{square}(x) + \text{square}(y)} = \sqrt{\text{square}(10.2 - x) + \text{square}(y)}$
- Square the expression ->

$$\text{square}(8.8) + \text{square}(x) + \text{square}(y) + 2 * 8.8 * \sqrt{\text{square}(x) + \text{square}(y)} = \text{square}(10.2 - x) + \text{square}(y)$$

- Conclude that

$$2 * 8.8 * \sqrt{\text{square}(x) + \text{square}(y)} = \text{square}(10.2) - \text{square}(8.8) - 2 * 10.2 * x$$

- Finally we got

$$\text{square}(x) + \text{square}(y) = \text{square}\left(\frac{13.3 - 10.2 * x}{8.8}\right)$$

That is  $y = \pm \sqrt{\text{square}\left(\frac{13.3 - 10.2 * x}{8.8}\right) - \text{square}(x)}$