



$$y = x^2 - 4x + 18$$

$$y = 2x^2 - 7x + 8$$

$$2x^2 - 7x + 8 = x^2 - 4x + 18$$

$$\Rightarrow x^2 - 3x - 10 = 0$$

$$\Rightarrow (x-5)(x+2) = 0$$

$$\Rightarrow x = 5 \text{ or } x = -2$$

finding
intersection
points