

$$5) (x+20)^2 + (y-15)^2 - 20^2 - 15^2 = 0 \quad \textcircled{7}$$

$$(x+20)^2 + (y-15)^2 = 25^2$$

$$\textcircled{2}' \text{ in } (-20, 15)$$

$$A: x^2 + 40x + 20^2 - 30 \times 20 = 0$$

$$x^2 + 40x - 200 = 0$$

$$x = \frac{-40 \pm \sqrt{40^2 - 4 \times 1 \times -200}}{2}$$

$$= -20 \pm 10\sqrt{6}$$

$$B: x^2 + 40x + 36^2 - 30 \times 36 = 0$$

$$x^2 + 40x + 216 = 0$$

$$x = \frac{-40 \pm \sqrt{40^2 - 4 \times 1 \times 216}}{2}$$

$$= \frac{-40 \pm \sqrt{736}}{2} = -20 \pm 2\sqrt{46}$$

