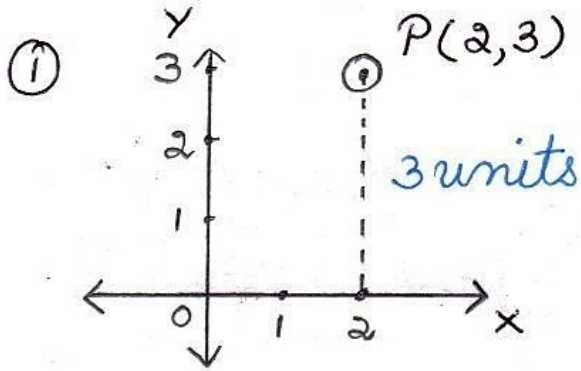


NCERT Exemplar Solutions by Dev Anoop (Bathinda)

Ex 7.1, Questions 1 to 4



distance of P from x axis = 3 units (B)

② $A(0,6), B(0,-2)$

$$AB = \sqrt{(0-0)^2 + (-2-6)^2}$$

$$= \sqrt{0+64}$$

$$= 8 \text{ units (B)}$$

③ $P(-6,8), O(0,0)$

$$OP = \sqrt{(-6-0)^2 + (8-0)^2}$$

$$= \sqrt{36+64}$$

$$= \sqrt{100}$$

$$= 10 \text{ units (C)}$$

④ $A(0,5), B(-5,0)$

$$AB = \sqrt{(-5-0)^2 + (0-5)^2}$$

$$= \sqrt{25+25}$$

$$= \sqrt{50}$$

$$= 5\sqrt{2} \text{ units (B)}$$