

$$2 \textcircled{iii} - 2p^3 - 3p^2 + 4p + 7$$

$$\text{put } p = -2$$

$$= -2(-2)^3 - 3(-2)^2 + 4(-2) + 7$$

$$= -16 - 12 - 8 + 7$$

$$= -36 + 7$$

$$= -29$$

$$3 \textcircled{i} 2x - 7$$

$$\text{put } x = -1$$

$$2(-1) - 7$$

$$= -2 - 7$$

$$= -9$$

$$3 \textcircled{ii} 2x^2 - x - 2$$

$$\text{put } x = -1$$

$$= 2(-1)^2(-1) - 2$$

$$= 2 + \cancel{2} - \cancel{2}$$

$$= 2$$

$$\textcircled{ii} -x + 2$$

$$\text{put } x = -1$$

$$= -(-1) + 2$$

$$= 1 + 2$$

$$= 3$$

$$4 \textcircled{a} a^2 + b^2$$

$$\text{put } a = 2, b = -2$$

$$= 2^2 + (-2)^2$$

$$= 4 + 4$$

$$= 8$$

$$\textcircled{iii} x^2 + 2x + 1$$

$$\text{put } x = -1$$

$$= (-1)^2 + 2(-1) + 1$$

$$= 1 - 2 + 1$$

$$= 2 - 2$$

$$= 0$$

$$4 \textcircled{b} a^2 + ab + b^2$$

$$\text{put } a = 2, b = -2$$

$$= 2^2 + 2(-2) + (-2)^2$$

$$= 4 - 6 + 9$$

$$= 7$$