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Section-8

Ques 2

Ans

$$\frac{d^2 y}{dx^2} - y = x^2$$

$$\Rightarrow (D^2 - 1)y = x^2$$

$$PI = \frac{1}{D^2 - 1} x^2 = \frac{1}{(D-1)(D+1)} x^2$$

$$= \frac{1}{2} (1+D) x^2$$

$$PI = \frac{1}{2} (x^2 + 2x)$$