

For point of intersection

$$
\begin{aligned}
\text { For point } y^{2} & =2 x=(4 x-1)^{2} \\
\Rightarrow x & \Rightarrow 1 / 8 ; \prime / 2 \\
\therefore \text { Area }=2 \int_{0}^{1 / 8} \sqrt{2 x} d x & +\int_{1 / 8}^{1 / 2}\{\sqrt{2 x}-(4 x-1)\} d x
\end{aligned}
$$

$\therefore$ Soling we get

$$
\text { Area }=\frac{9}{32}
$$

Correct op tion is (2)

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