

DATE \_\_\_\_\_

$$\begin{aligned}
 & \sqrt{25x^2 - 100x + 100} \\
 & \frac{25x^2 - 100x + 100}{25x} \\
 & \hline
 & 25x^2 - 100x + 100 \\
 & \underline{-25x^2 + 100x} \\
 & 100 \\
 & \underline{-100} \\
 & 0
 \end{aligned}$$

$x = 2$

Ans: 2

$$\begin{aligned}
 & \sqrt{4x^2 - 20x + 25} \\
 & \frac{4x^2 - 20x + 25}{2x} \\
 & \hline
 & 4x^2 - 20x + 25 \\
 & \underline{-4x^2 + 20x} \\
 & 25 \\
 & \underline{-25} \\
 & 0
 \end{aligned}$$

$x = 5$

Ans: 5

$$\begin{aligned}
 & \sqrt{9x^2 - 30x + 25} \\
 & \frac{9x^2 - 30x + 25}{3x} \\
 & \hline
 & 9x^2 - 30x + 25 \\
 & \underline{-9x^2 + 30x} \\
 & 25 \\
 & \underline{-25} \\
 & 0
 \end{aligned}$$

$x = 5$

Ans: 5

Only 100  
 $25x^2 - 100x + 100$   
 $25x^2 - 100x + 100$

Key **(D)**

$$\begin{aligned}
 & \sqrt{25x^2 - 100x + 100} \\
 & \frac{25x^2 - 100x + 100}{25x} \\
 & \hline
 & 25x^2 - 100x + 100 \\
 & \underline{-25x^2 + 100x} \\
 & 100 \\
 & \underline{-100} \\
 & 0
 \end{aligned}$$

$x = 2$

Ans: 2

$$\begin{aligned}
 & \sqrt{4x^2 - 20x + 25} \\
 & \frac{4x^2 - 20x + 25}{2x} \\
 & \hline
 & 4x^2 - 20x + 25 \\
 & \underline{-4x^2 + 20x} \\
 & 25 \\
 & \underline{-25} \\
 & 0
 \end{aligned}$$

$x = 5$

Ans: 5

$$\begin{aligned}
 & \sqrt{9x^2 - 30x + 25} \\
 & \frac{9x^2 - 30x + 25}{3x} \\
 & \hline
 & 9x^2 - 30x + 25 \\
 & \underline{-9x^2 + 30x} \\
 & 25 \\
 & \underline{-25} \\
 & 0
 \end{aligned}$$

$x = 5$

Ans: 5

Only 100  
 $25x^2 - 100x + 100$   
 $25x^2 - 100x + 100$