

DATE \_\_\_\_\_

$$\begin{aligned}
 & \sqrt{25x^2 - 40x + 16} \\
 & 25x^2 - 40x + 16 \\
 & \underline{25x^2 - 20x} \phantom{+ 16} \\
 & -20x + 16 \\
 & \underline{-20x + 8} \phantom{+ 16} \\
 & 8 \\
 & \underline{8} \\
 & 0
 \end{aligned}$$

$x = \frac{4}{5}$

Ans:  $\frac{4}{5}$  (Final Answer)

$$\begin{aligned}
 & \sqrt{4x^2 - 12x + 9} \\
 & 4x^2 - 12x + 9 \\
 & \underline{4x^2 - 6x} \phantom{+ 9} \\
 & -6x + 9 \\
 & \underline{-6x + 3} \phantom{+ 9} \\
 & 6 \\
 & \underline{6} \\
 & 0
 \end{aligned}$$

$x = \frac{3}{2}$

Ans:  $\frac{3}{2}$  (Final Answer)

$$\begin{aligned}
 & \sqrt{9x^2 - 24x + 16} \\
 & 9x^2 - 24x + 16 \\
 & \underline{9x^2 - 12x} \phantom{+ 16} \\
 & -12x + 16 \\
 & \underline{-12x + 8} \phantom{+ 16} \\
 & 8 \\
 & \underline{8} \\
 & 0
 \end{aligned}$$

$x = \frac{4}{3}$

Ans:  $\frac{4}{3}$  (Final Answer)

Key: 10

$$\begin{aligned}
 & \sqrt{25x^2 - 100x + 100} \\
 & 25x^2 - 100x + 100 \\
 & \underline{25x^2 - 50x} \phantom{+ 100} \\
 & -50x + 100 \\
 & \underline{-50x + 50} \phantom{+ 100} \\
 & 50 \\
 & \underline{50} \\
 & 0
 \end{aligned}$$

$x = \frac{10}{5} = 2$

Ans:  $2$  (Final Answer)

$$\begin{aligned}
 & \sqrt{16x^2 - 48x + 36} \\
 & 16x^2 - 48x + 36 \\
 & \underline{16x^2 - 24x} \phantom{+ 36} \\
 & -24x + 36 \\
 & \underline{-24x + 12} \phantom{+ 36} \\
 & 24 \\
 & \underline{24} \\
 & 0
 \end{aligned}$$

$x = \frac{12}{4} = 3$

Ans:  $3$  (Final Answer)

$$\begin{aligned}
 & \sqrt{4x^2 - 12x + 9} \\
 & 4x^2 - 12x + 9 \\
 & \underline{4x^2 - 6x} \phantom{+ 9} \\
 & -6x + 9 \\
 & \underline{-6x + 3} \phantom{+ 9} \\
 & 6 \\
 & \underline{6} \\
 & 0
 \end{aligned}$$

$x = \frac{3}{2}$

Ans:  $\frac{3}{2}$  (Final Answer)