

DATE \_\_\_\_\_

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

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

Ans:  $\frac{2}{5}$  (Final Answer)

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

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

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

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

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

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

Key: 2

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

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

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

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

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

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

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

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

Ans:  $\frac{2}{5}$  (Final Answer)