

DATE \_\_\_\_\_

$$\begin{aligned}
 & \sqrt{25x^2 - 40x + 16} \\
 & 25x^2 - 40x + 16 \\
 & \underline{25x^2 - 20x} \phantom{+ 16} \\
 & 20x + 16 \\
 & \underline{20x - 16} \phantom{+ 16} \\
 & 32 \\
 & \text{Remainder}
 \end{aligned}$$

$x = 4$

Ans: Perfect Square

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

$x(3) = 9$

$3(3) = 9$

Ans: Perfect Square

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

$x(3) = 9$

$2(3) = 6$

$2(3) = 6$

Ans: Perfect Square

DATE \_\_\_\_\_

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

Ans: Perfect Square

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

$x(3) = 9$

$2(3) = 6$

$2(3) = 6$

Ans: Perfect Square

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

$x(5) = 25$

$4(5) = 20$

$4(5) = 20$

Ans: Perfect Square