

$$\begin{array}{r}
 \phantom{X+2} \overline{X+7} R \frac{8}{X+2} \\
 X+2 \overline{) X^2+9x+22} \\
 \underline{-X^2+2x} \phantom{+22} \\
 7x+22 \\
 \underline{-(7x+14)} \\
 8
 \end{array}$$

$$(X^2+2x) - (2x-3)$$

$$(X^2+2x) + (-2x+3)$$

$$\underline{X^2+3}$$

$$(X^2+2x-3)(X-5)$$

$$X^3 - 5X^2 + 2X^2 - 10X - 3X + 15$$

$$X^3 - 3X^2 - 13X + 15$$

Oct 29-8:06 AM

Factoring

$$3x^2 + 6x$$

$$3x(x+2)$$

10	25
10	5 · 5
	1 · 25

← Add

$$X^2 + 10x + 25$$

$$(X+5)(X+5)$$

$6x^2 + 19x + 15$

mult  $\frac{3}{2} = \frac{9}{6}$       mult  $\frac{10}{6} = \frac{5}{3}$

$$(2x+3)(3x+5)$$

90  
19  
Add

Oct 29-8:19 AM