Math in Living C O L O R !!
1.03 Polynomials

College Algebra: One Step at a Time. **Pages 26-30: 7, 9**

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See Section 1.03, with explanations, examples, and exercises, coming soon!

P. 25. # 7. $[(Junk)+4][(Junk)-3]$

Solution: This is a simple F OI L problem!
Multiply the **FIRST** times **FIRST**, which gives you $(Junk)^2$.

The **OUTER** times **OUTER** is $-3(Junk)$, and the **INNER** times **INNER** is $+4(Junk)$, which combine together to give you $+1(Junk)$.

Finally, the **LAST** times **LAST** is $+4 \cdot -3$, which is -12.

The Final Answer is $(Junk)^2 + (Junk) - 12$

P. 25. # 9. $[(Junk)-6][(Junk)-7]$

Solution: This is another F OI L problem!
Multiply the **FIRST** times **FIRST**, which gives you $(Junk)^2$.

The **OUTER** times **OUTER** is $-7(Junk)$, and the **INNER** times **INNER** is $-6(Junk)$, which combine together to give you $-13(Junk)$

Finally, the **LAST** times **LAST** is $-6 \cdot -7$, which is $+42$.

The Final Answer is $(Junk)^2 - 13(Junk) + 42$