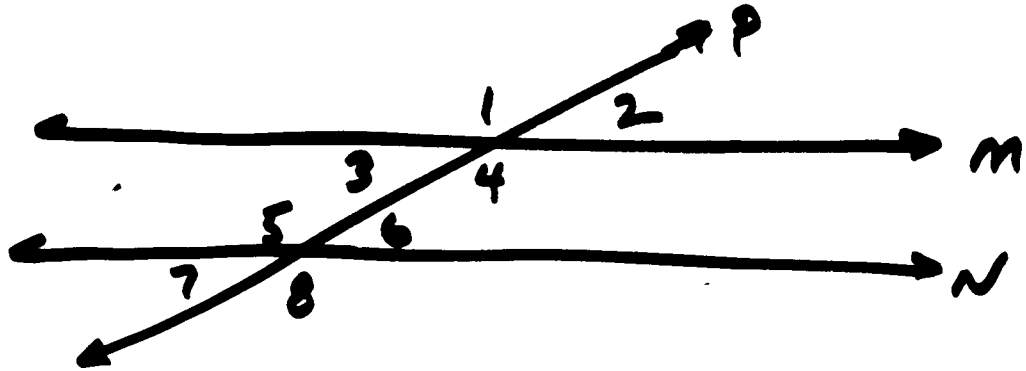


BE-1B TUESDAY 10-30-07

- ① SOLVE $4(N-3)-1 \geq 3-2(1-N)$
- ② ON A number line, graph $x < -2$
- ③ Line $m \parallel n$
 $m \angle 4 = 126^\circ$, WHAT is the sum of
the $m \angle 6$ AND $m \angle 7$?



~~~~~ AHSGE WB ~~~~~

- ① Pg. 43 # 6      { ③ Pg 67 # 5
- ② Pg 60 # 2      }

1.  
DEFINE "like terms"

terms with the same variable  
and, the variables have the same exponent.  
"Q" Numbers go with numbers, they are constants

Ex)  $3x^2 - 4x + 8 + 2x - 7x^2 - 5$

$$\underline{3x^2} \text{ } (-4x) + 8 \text{ } (+2x) \text{ } \underline{-7x^2} - 5$$

$$\boxed{-4x^2 - 2x + 3}$$

Ex)  $(3x^2 - 4x + 8) + (2x - 7x^2 - 5)$   
 $+1(3x^2 - 4x + 8) + 1(2x - 7x^2 - 5)$   
 $3x^2 - 4x + 8 + 2x - 7x^2 - 5$

"Q" When + (polynomial), just drop ( )

$$\textcircled{\text{Ex}} \quad (3x+6) + (2x-4)$$

$$= \boxed{5x+2}$$


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What about subtracting a polynomial?

$$\textcircled{\text{Ex}} \quad (3x+6) - (2x-4)$$

$$\textcircled{\text{Lightbulb}} \quad (3x+6) - 1(2x-4)$$

$$3x+6 - 2x+4$$

$$\boxed{x+10}$$


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$\textcircled{\text{Lightbulb}}$  When  $-$  (poly), change all signs inside the  $( )$  and drop  $( )$

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$$\textcircled{\text{Ex 2}} \quad (3N^2+13N^3+5N) - (7N+4N^3)$$

$$\textcircled{\text{Pg 440}} \quad \underline{3N^2} + \underline{13N^3} + 5N - 7N - 4N^3$$

$$\boxed{3N^2 + 9N^3 - 2N}$$

$$\text{or } 9N^3 + 3N^2 - 2N$$

DOB G

Your turn:

Pg. 441 # 4 to 7

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Homework:

- Read Ch. 8-5
- Pg. 441 # 12 to 15  
# 20 to 22