

BE-1B | MONDAY 10-22-07

① Simplify: $\frac{5z}{6} \cdot \frac{2z^2}{15}$

② Simplify:
 $(3x)(2y) - (4x)(-2y)$

③ $2x^3(2x)^3$

ANSGE WB

① Pg 32 # 2 { Pg 33 # 8

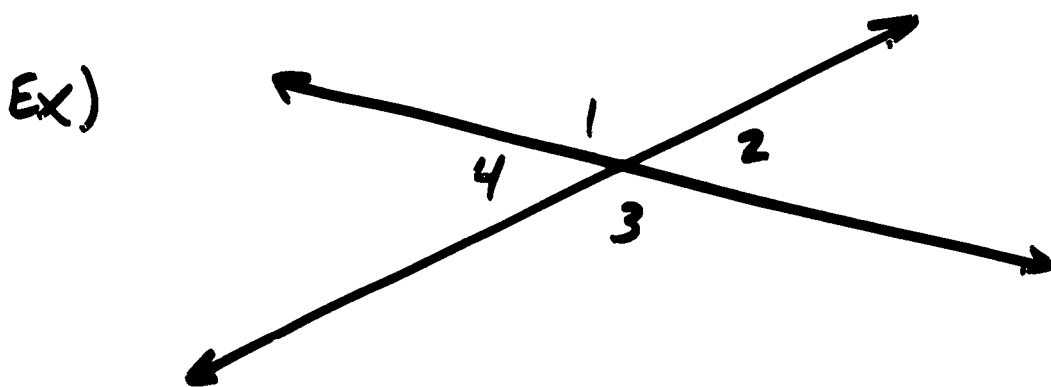
② Pg 32 # 3 }

A few SHORT NOTES, last 30 min.
of class is Q2 Quiz 2

1.

Some simple but important geometry RELATED TO lines and angles.

Whenever two lines cross, 4 angles are formed.



WHAT DO YOU KNOW ABOUT
the $m\angle 1$ and the $m\angle 3$?

How about $m\angle 2$ and $m\angle 4$?

The pairs of equal angles are called
vertical angles. Why are they equal?

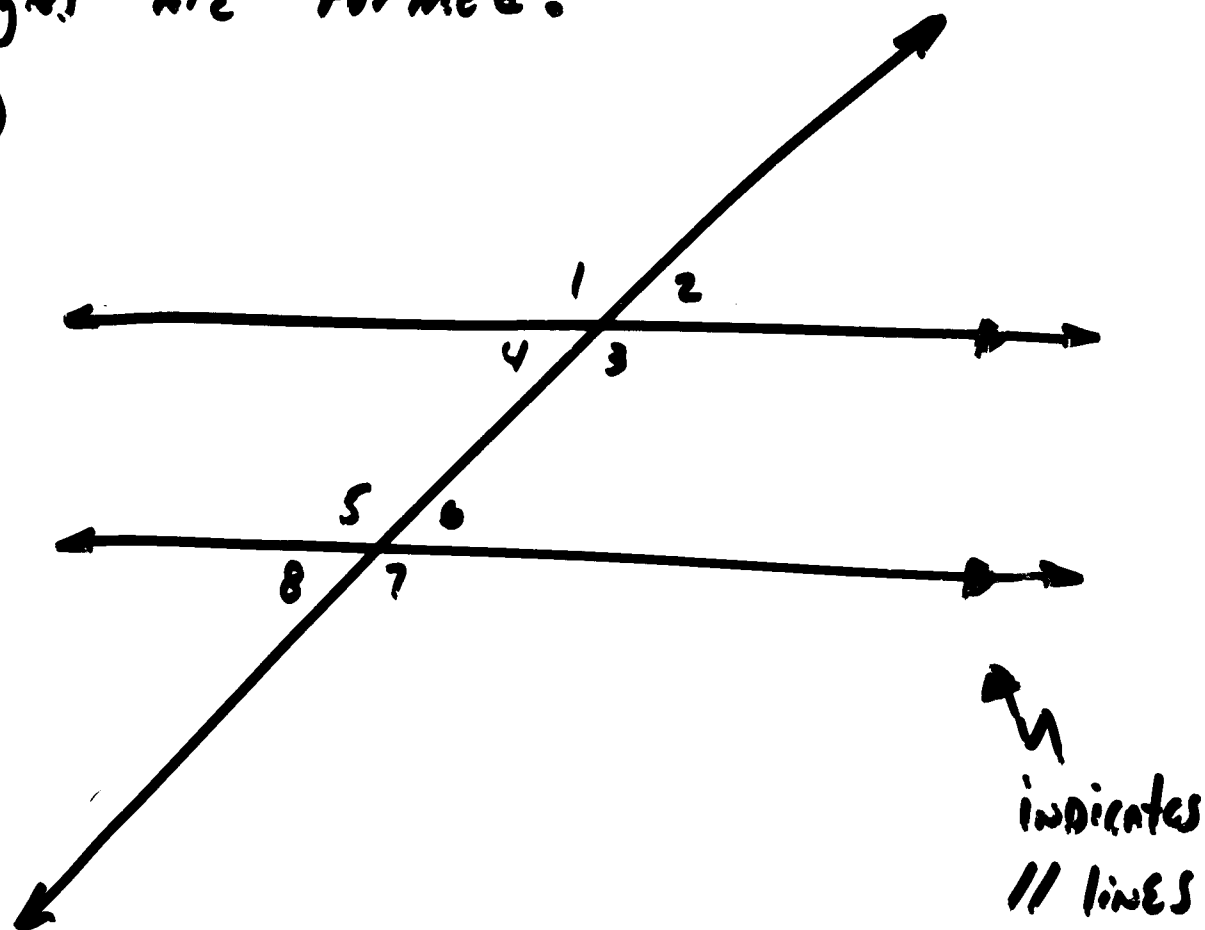
Ex) $m\angle 1 + m\angle 2 = 180^\circ$

$$m\angle 3 + m\angle 2 = 180^\circ$$

$$\therefore m\angle 1 = m\angle 3$$

A very common situation in geometry (and real life) is to have 2 parallel lines crossed by a third line (called a transversal). Eight angles are formed:

(EX)

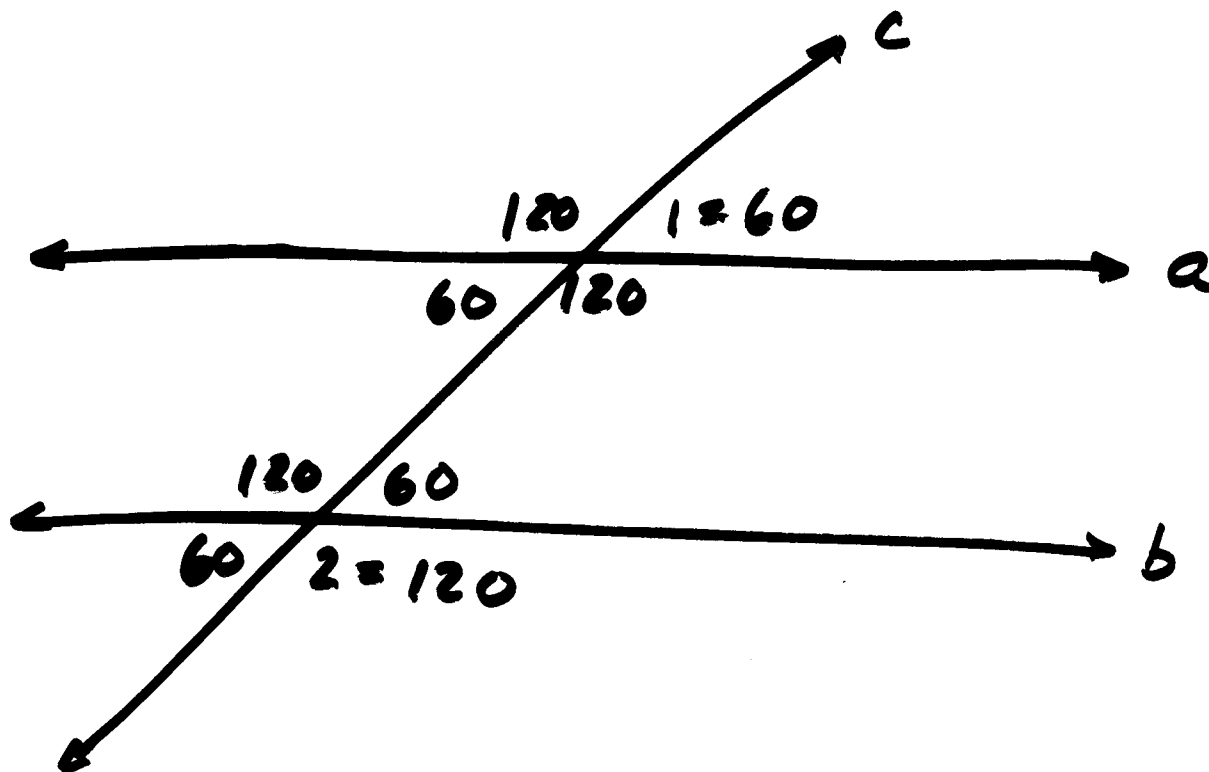


$\angle 1 = \angle 3 = \angle 5 = \angle 7$
 $\angle 2 = \angle 4 = \angle 6 = \angle 8$

} THESE ARE CALLED
CORRESPONDING ANGLES.

💡 LABEL EVERYTHING YOU KNOW FOR THESE PROBLEMS

Ex) Given $a \parallel b$, $m\angle 1 = 60^\circ$
 What is the $m\angle 2$?



$m\angle 2 = 120^\circ$

Clear desks for Q2 Quiz 2