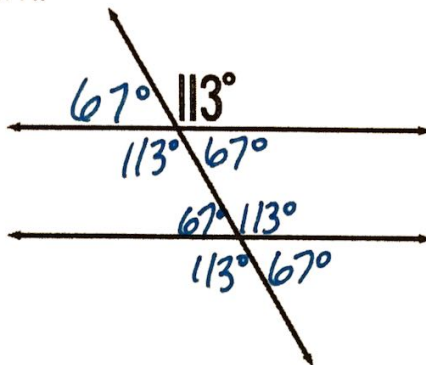


Fill in all of the missing angles below.



Classify each pair of angles as one of the following:

- |                              |                              |
|------------------------------|------------------------------|
| A. alternate interior angles | B. alternate exterior angles |
| C. same-side interior angles | D. same-side exterior angles |
| E. corresponding angles      | F. vertical angles           |
| G. linear pair angles        | H. none                      |

F 1.  $\angle 1$  &  $\angle 3$

B 2.  $\angle 1$  &  $\angle 2$

E 3.  $\angle 3$  &  $\angle 6$

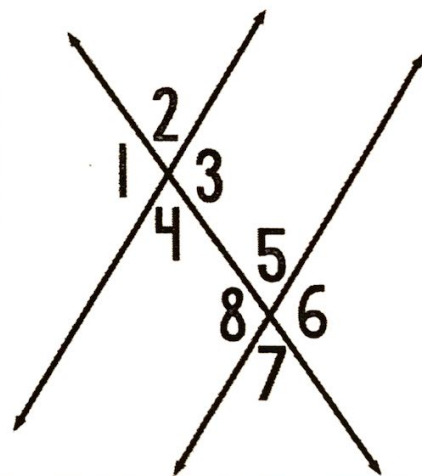
G 4.  $\angle 5$  &  $\angle 8$

D 5.  $\angle 1$  &  $\angle 7$

H 6.  $\angle 4$  &  $\angle 6$

C 7.  $\angle 3$  &  $\angle 5$

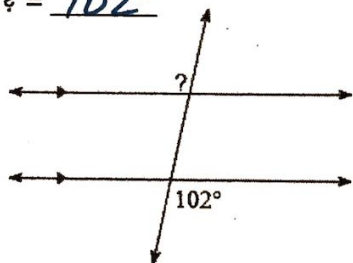
A 8.  $\angle 3$  &  $\angle 8$



Type of angle pair: Alt. Ext.

These angles are: Congruent

$\angle = 102^\circ$

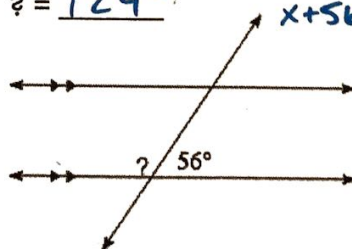


Type of angle pair: Linear Pair

These angles are: Supplementary

$\angle = 124^\circ$

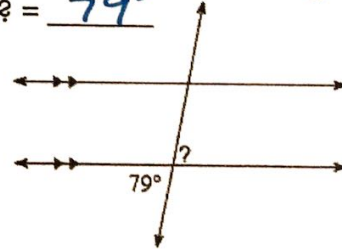
$x + 56 = 180$



Type of angle pair: Vertical

These angles are: Congruent

$\angle = 79^\circ$



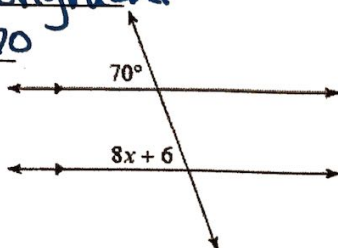
Type of angle pair: Corresponding

These angles are: Congruent

Equation:  $8x + 6 = 70$

$x = 8$

$8x + 6 = 70$   
 $8x = 64$   
 $x = 8$



Type of angle pair: Same Side Int.

These angles are: Supplementary

Equation:  $18x + 4 + 6x + 8 = 180$

$x = 7$

$18x + 4 + 6x + 8 = 180$   
 $24x + 12 = 180$   
 $24x = 168$   
 $x = 7$

