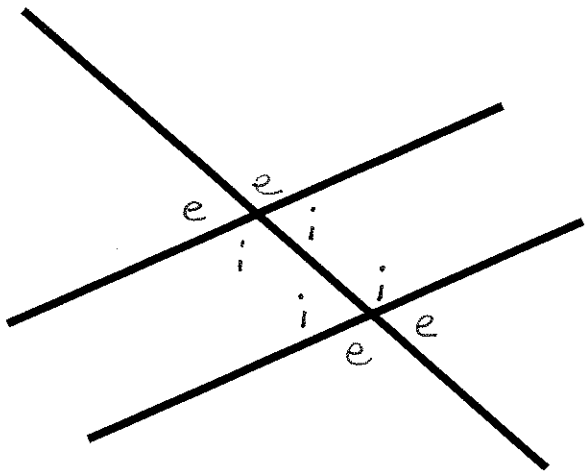
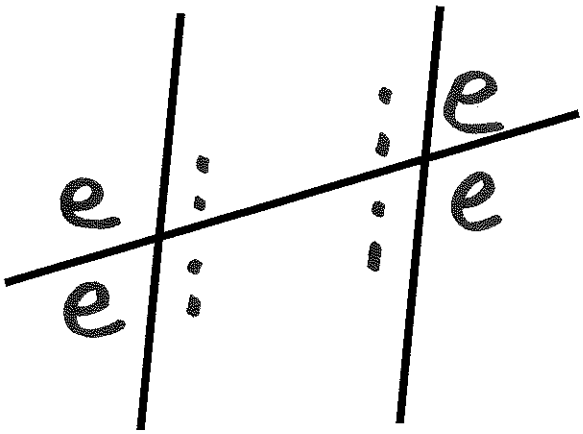
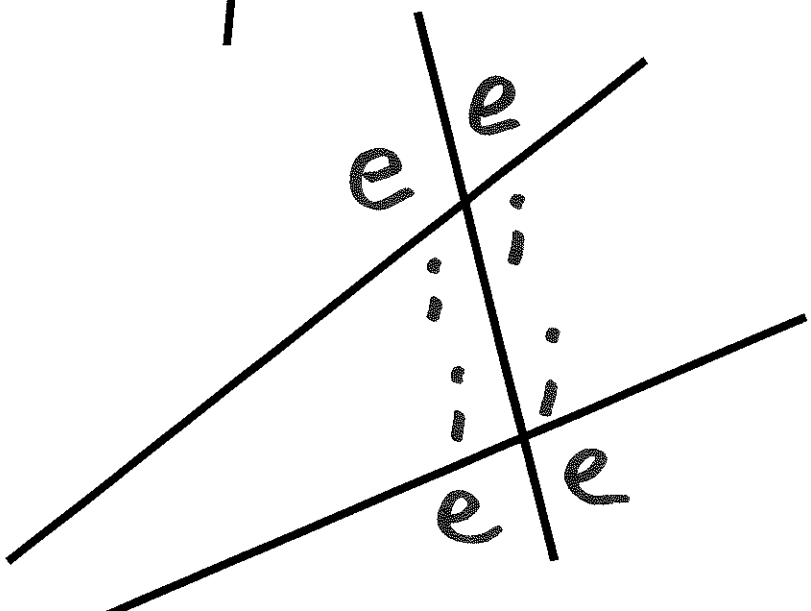
Transversal vocab worksheet Name:_____

Label all the interior angles as "i" and all the exterior angles as "e" in each transversal below

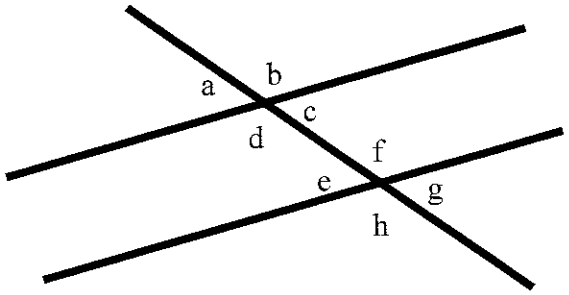
ex)



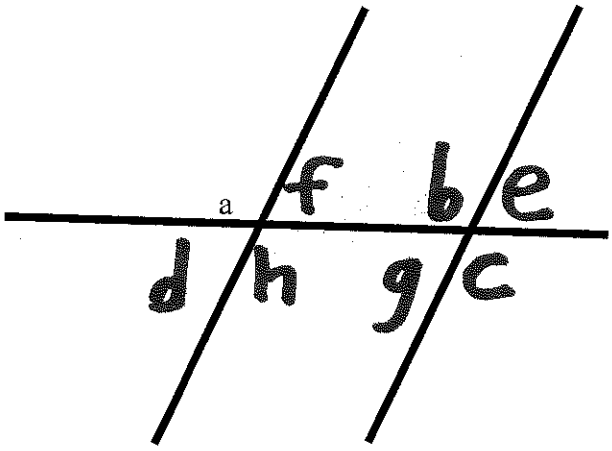




What type of angle relation are each of the following pairs?



1. a & e are Corresponding
2. a & c are vertically opposite
3. a & h are exterior angles on the same side of the transversal
4. a & g are alternate exterior
5. c & f are interior angles OTSSOTT
6. d & e are interior angles OTSSOTT
7. d & f are alternate interior
8. b & g are exterior angles OTSSOTT
9. h & b are alternate exterior
10. f & h are vertically opposite



9. Label the remaining angles in the above diagram as follows

b is corresponding angle of **a**

c is angle vertically opposite **b**

d is the exterior angle on the same side of the transversal as **c**

e is the alternate exterior angle with **d**

f is the corresponding angle with **e**

g is the alternate interior angle with **f**

h is the interior angle on the same side of the transversal as **g**

10. Angle "a" is 110° what are the rest of the angles?

a 110°

b 110°

c 110°

d 70°

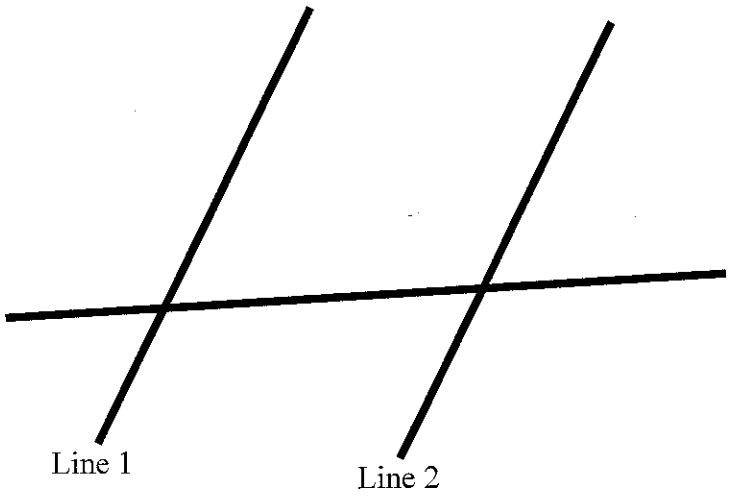
e 70°

f 70°

g 70°

h 110°

If two lines are parallel any transversal of both lines will have congruent corresponding angles.



11. If lines 1 and 2 are parallel (fill in the blanks with the either the word **congruent** or **supplementary**)

Corresponding angles will be congruent

Interior angles on the same side of the transversal supplematory

Alternate interior angles will be congruent

Exterior angles on the same side of the transversal supplematory

Alternate exterior angles will be congruent