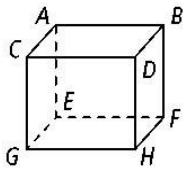
Name ----------Class ----------Date----------

HW-7

Lines and Angles

Describe the statement as *true* or *false.* If false, explain.

1. $\overleftrightarrow{AE}$ and $\overleftrightarrow{EF}$ are skew lines.



2. plane *DBF* ‖ plane *ABD*

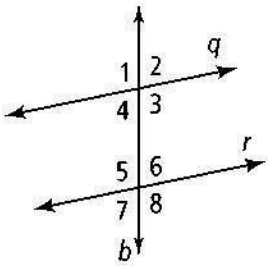
3. $\overleftrightarrow{GH} \parallel \overleftrightarrow{EF}$

4 $\overleftrightarrow{DB} \parallel \overleftrightarrow{AE}$

5. plane *EFH* ‖ plane *ABD*

6. $\overleftrightarrow{FH}$ and $\overleftrightarrow{CD}$ are skew lines.

Decide whether the angles are *alternate interior angles, same-side interior angles, corresponding angles,* or *alternate exterior angles.* (Questions 7 to 11)



7. ∠ 2 and ∠7

8. ∠ 5 and ∠4

9. ∠8 and ∠ 3

10. ∠6 and ∠ 4

11. ∠1 and ∠5

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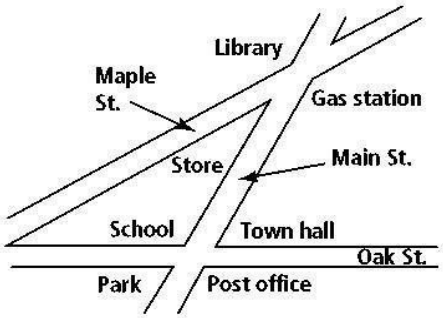
12. The map at the right shows the intersection of Maple Street and Oak Street by Main Street. Name the angle pairs represented by the locations listed below.



a. town hall and gas station

b. school and library

c. library and post office

d. school and gas station

13.You are driving over a bridge that runs east to west. Below the bridge, a highway runs north to south. Are the bridge and the highway *parallel, skew,* or *neither?*