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| **Key Concepts** | **Notes** |
| **Parallel Lines** |  |  |
| **Parallel Planes** |  |
| **Skew Lines** |  |
| **Perpendicular Lines** |  |
| **Problem 1** | In the figure, assume that lines and planes that appear to be parallel are parallel.A. Which segments are parallel to $\overbar{AB}$?B. Which segments are skew to $\overbar{CD}$? C. What are two pairs of parallel planes?D. What are two segments parallel to plane *BCGF*? |

**Angles Formed by Transversals**

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| **Transversal** |  |
| **Alternate Interior Angles** |  | **lines & transversal.png** |
| **Same-Side Interior Angles** |  |
| **Alternate Exterior Angles** |  |
| **Same-Side Exterior Angles** |  |
| **Corresponding Angles** |  |
| **Problem 2** | **problem 2.png****problem 2 fig.png** |

**APPLICATION**

**Use the diagram to name each of the following.**

**Lines and planes that appear to be parallel are parallel.**

1. all lines parallel to $\overleftrightarrow{AB}$

2. all lines skew to $\overleftrightarrow{CG}$

3. a plane parallel to plane *CDHG*

4. both pairs of alternate interior angles

5. both pairs of same-side interior angles

6. four pairs of corresponding angles

7. both pairs of alternate exterior angles

8. both pairs of same-side exterior angles

**COMPREHENSION**

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