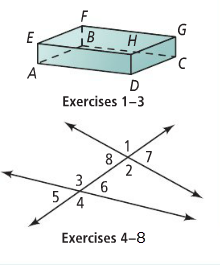
|  |  |  |
| --- | --- | --- |
| **Key Concepts** | **Notes** | |
| **Parallel Lines** |  |  |
| **Parallel Planes** |  |
| **Skew Lines** |  |
| **Perpendicular Lines** |  | |
| **Problem 1** | In the figure, assume that lines and planes that appear to be parallel are parallel.  A. Which segments are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

**Angles Formed by Transversals**

|  |  |  |
| --- | --- | --- |
| **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

2. all lines skew to

3. a plane parallel to plane *CDHG*

4. both pairs of alternate interior angles

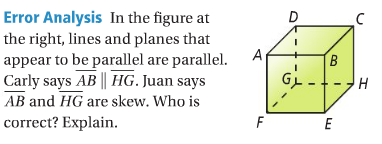
5. both pairs of same-side interior angles

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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