Homework: page 144: 11-24 all
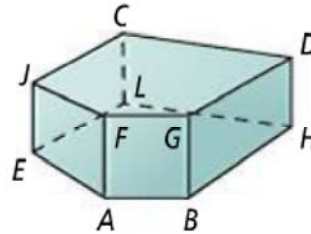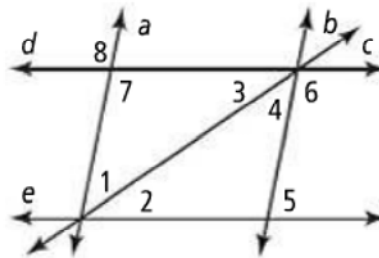
Use the diagram to name each of the following. Assume that lines and planes that appear to be parallel are parallel.

11. a pair of parallel planes

12. all lines that are parallel to $\overleftrightarrow{AB}$

13. all lines that are parallel to $\overleftrightarrow{DH}$

14. two lines that are skew to $\overleftrightarrow{EJ}$

15. all lines that are parallel to plane *JFAE*

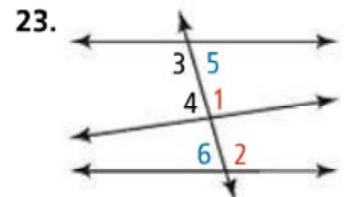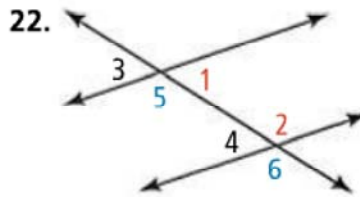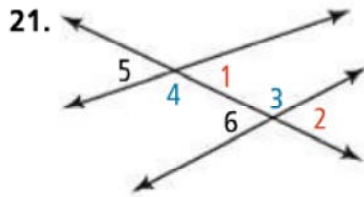**16.** a plane parallel to $\overleftrightarrow{LH}$

Identify all pairs of each type of angles in the diagram. Name the two lines and the transversal that form each pair.

17. corresponding angles

18. alternate interior angles

19. same-side interior angles

20. alternate exterior angles

Are the angles labeled in the same color *alternate interior angles, same-side interior angles, corresponding angles,* or *alternate exterior angles*?

◆ **See Prol**

21.

22.

23.

24. Aviation The photo shows an overhead view of airport runways. Are ∠1 and ∠2 *alternate interior angles, same-side interior angles, corresponding angles,* or *alternate exterior angles*?