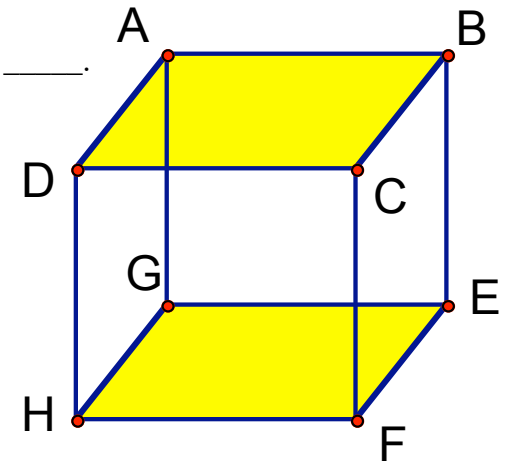
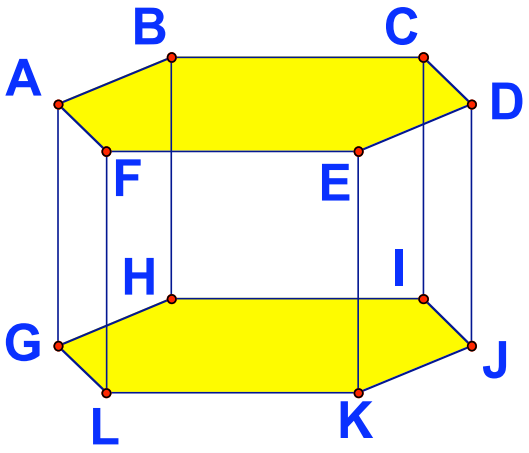
Chapter 2: Perpendicular / Parallel
Lesson 2-3: Pairs of Lines
Classwork

name _____
date _____
period ___

1. $\overline{AB}$ ∥ _____ and _____ and _____ .
2. $\overline{AB}$ ⊥ _____ and _____ and _____ and _____.
3. $\overline{AB}$ is skew with _____ and _____ and _____ and _____.
4. $\overline{AB}$ is skew with _____.
5. $\overline{DH}$ and $\overline{HG}$ are _____.
6. $\overline{BE}$ and $\overline{DH}$ are _____.
7. $\overline{CF}$ and $\overline{GE}$ are _____.
8. $\overline{DC}$ and $\overline{CB}$ are _____.



1. $\overline{AB}$ ∥ ___ and ___ and ___.
2. $\overline{AB}$ ⊥ ___ and ___.
3. $\overline{AB}$ is skew with ___.
4. $\overline{ED}$ is oblique with ___ and ___.
5. $\overline{ED}$ and $\overline{GH}$ are _____.
6. $\overline{CD}$ and $\overline{DJ}$ are _____.
7. $\overline{EK}$ and $\overline{HI}$ are _____.
8. $\overline{GL}$ and $\overline{GH}$ are _____.



Answer the questions below for the following lines:

$y_1 = \frac{2}{3}x + 8$ $\quad$ $y_6 = \frac{1}{3}x + 1$

$y_2 = -3x - 2.4$ $\quad$ $y_7 = -0.5x$

$y_3 = \frac{5}{7}x - 5$ $\quad$ $y_8 = -1.5x - 3$

$y_4 = 0.6x + 94$ $\quad$ $y_9 = \frac{7}{5}x + 4.5$

$y_5 = 2x - 0.2$ $\quad$ $y_{10} = \frac{3}{5}x - 11$

1. Which pairs of lines are parallel? _____
2. Which pairs of lines are perpendicular? _____
3. Which pairs of lines are oblique? _____
4. Write an equation of a line that is parallel to $y = -\frac{1}{8}x + 2$ _____
5. Write an equation of a line that is parallel to $y = -4x - 5$ _____
6. Write an equation of a line that is perpendicular to $y = -\frac{1}{8}x + 2$ _____
7. Write an equation of a line that is perpendicular to $y = -4x - 5$ _____
8. Write an equation of a line that is oblique to $y = -\frac{1}{8}x + 2$ _____
9. Write an equation of a line that is oblique to $y = -4x - 5$ _____