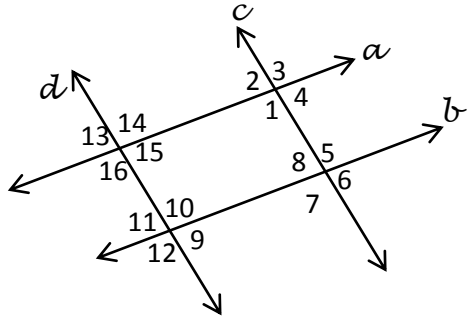


Geometry

Unit One B: Assessment Review #2 (HW39)

Using the diagram below, identify which lines are parallel if the information given is true. Write a reason to support your conclusion. If the information is not enough to prove any lines are parallel, just write NONE.



- a. $\angle 2 \cong \angle 6$: _____
- b. $\angle 8$ supp $\angle 10$: _____
- c. $\angle 13 \cong \angle 10$: _____
- d. $\angle 12 \cong \angle 7$: _____
- e. $\angle 1 \cong \angle 14$: _____
- f. $\angle 13 \cong \angle 15$: _____
- g. $\angle 11$ supp $\angle 5$: _____

Name: _____

Date: _____ Period: _____

Given: A(-4, -8), B(-2, 4), C(3,10), and D(1, -2)

1. Using the definition of a parallelogram, determine whether the figure is one.

2. Find AD. (length)

3. Find the equation of the line going through points A and B.

4. Find the equation of a line perpendicular to \overline{AB} , passing through (6,-5).

5. Find the equation of a line parallel to \overline{AB} , passing through (3, 7).