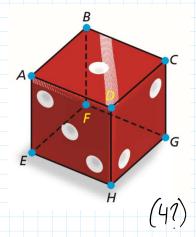
Test Review

Assuming all intersections are perpendicular and that each segment is a portion of a line identify the following:

- 1. A pair of lines skew to line AB
- 2. A pair of lines perpendicular to AB
- 3. A pair of lines parallel to AB
- 4. A plane that intersects Plane ABC and it's intersection



Using the diagram, identify all the following angle pairs:

Corresponding

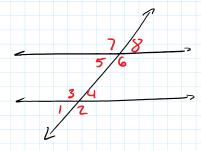
Alternate Interior

Alternate Exterior

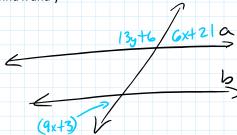
Consecutive interior

Vertical

Angles that for linear pairs with angle 4

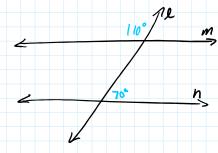


If line a is parallel to line b, find x and y



(3?)

Is line m parallel to line n (yes or no)? If yes, what theorem did you use?



(2?)

Find the shortest distance from point A (2,6) and the line y=-x+4

Find the shortest distance from point A (-9,-3) and the line y=x-6

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Write an equation of a line passing through (4,6) and is parallel to y=3x+4



Write an equation of a line perpendicular to 2x-6y=12 and passes through (-1,3).

(z?)

Determine if the two lines are parallel, perpendicular, or neither. You must show your work!!!

2x-5y=12

and

-10y+4x=24

Line 1 contains the points: (1,2) and (3,4) Line 2 contains the points: (-1,2) and (-3,4)

