

Geometry #6: Parallel, Perpendicular, and All That
Do Now

1. Lines that are coplanar but do not intersect can be described as
 - (1) perpendicular
 - (2) parallel
 - (3) skew
 - (4) congruent
2. The intersection of two planes is
 - (1) 1 point
 - (2) 1 line
 - (3) 2 points
 - (4) 2 planes
3. Line r intersects parallel planes U and V . The intersection can be described as
 - (1) 2 parallel lines
 - (2) 1 line
 - (3) 2 intersecting lines
 - (4) 2 points
4. Points A , B , and C are not collinear. How many planes contain all three points?
 - (1) one
 - (2) two
 - (3) three
 - (4) an infinite number
5. In the figure of a rectangular prism, which of the following is true?
 - (1) Points E , H , D , and A are coplanar and collinear.
 - (2) \overline{HD} is skew to \overline{CG} , and $\overline{CD} \perp \overline{CG}$
 - (3) $\overline{EA} \perp \overline{BC}$, and $\overline{AB} \parallel \overline{CD}$.
 - (4) $\overline{EA} \parallel \overline{CG}$, and \overline{EH} skew to \overline{FB} .

