

### Chapter 3 Quiz Prep

1. Given a figure, determine: *(4 pts)*
  - a. Lines that are:
    - i. Skew
    - ii. Parallel
    - iii. Perpendicular
  - b. Planes that are:
    - i. Parallel
    - ii. Intersecting
2. Given two lines and a transversal, name angles that represent: *(5 pts)*
  - a. Consecutive interior angles
  - b. Alternate interior angles
  - c. Vertical angles
  - d. Alternate exterior angles
  - e. Corresponding angles
  - f. Linear pair angles
3. Given two parallel lines, a transversal, and one angle, find missing angles. *(2 pts)*
4. Determine from the given information whether two lines are parallel, and state the theorem or postulate used if you can. *(2 pts)*
5. Vocab: fill in the blank to complete the definition. *(3 pts)*

Know these terms:

  - a. Skew lines
  - b. Parallel Lines
  - c. Perpendicular
  - d. Transversal
6. Given two parallel lines, a transversal, and two unknown angles (i.e. in terms of  $x$ ), set up an equation to solve for the missing variable. State which theorem or postulate you used to set up your equation to solve. *(9 pts)*

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