Section\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_

Use Postulates and Diagrams

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| Vocabulary | Definition | Example |
| LINE PERPENDICULAR to a PLANE | A line is perpendicular to a plane if and only if the line intersects the plane in a point and is perpendicular to every line in the plane that intersects it at that point. |  |
| **POINT, LINE and PLANE POSTULATES** |
| POSTULATE 5 | Through any two points there exists exactly one \_\_\_\_\_\_\_. |  |
| POSTULATE 6 | A line contains at least two \_\_\_\_\_\_\_\_\_. |  |
| POSTULATE 7 | If two lines intersect, then their intersection is exactly \_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |
| POSTULATE 8 | Through any three \_\_\_\_\_\_\_\_\_\_\_\_\_ points there exists exactly one plane. |  |
| POSTULATE 9 | A plane contains at least three \_\_\_\_\_\_\_\_\_\_\_\_\_ points. |  |
| POSTULATE 10 | If two points lie in a plane, then the line containing them \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |
| POSTULATE 11 | If two planes intersect, then their intersection is a \_\_\_\_\_. |  |