

Math DesCartes: Concepts and Principles of Geometry

Skills: Points, Lines, Planes, and Angles

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| Students: | DesCartes Skills: (Highlight the skills related to your chosen standard/concept) |
| | RIT Above 270: • Identifies vertical angles |
| | RIT 261-270: • Uses properties of angles to solve mathematical problems |
| | RIT 251-260: • Defines the properties or relationships between planes, including parallel, perpendicular, and intersecting planes and their angles of incidence • Uses reasoning to verify properties of parallel and perpendicular lines • Identifies corresponding and alternate exterior/interior angles • Identifies properties of congruent angles • Uses properties of angles to solve mathematical problems |
| | RIT 241-250: • Defines angles using properties (e.g., acute, obtuse, right, straight, reflex) • Identifies and determines missing angle measures for complementary angles • Identifies corresponding and alternate exterior/interior angles • Determines a missing angle measure in corresponding, vertical, and alternate exterior/interior angles • Identifies properties of congruent angles |
| | RIT 231-240: • Determines which lines are perpendicular (analysis) • Determines a missing angle measure in corresponding, vertical, and alternate exterior/interior angles |
| | RIT 221-230: • Determines which lines are perpendicular (analysis) • Identifies rays • Identifies properties of parallel and perpendicular lines • Identifies acute angles • Identifies right angles within adjacent angles • Identifies and determines missing angle measures for supplementary angles |
| | RIT 211-220: • Describes relationships among points, lines, and planes, and identifies models in the environment • Identifies perpendicular lines • Identifies rays • Identifies properties of angles • Identifies acute angles • Identifies obtuse angles • Identifies right angles within adjacent angles |
| | RIT 201-210: • Identifies parallel lines • Identifies intersecting lines • Identifies the intersection point of two lines • Identifies angles • Identifies right angles |
| | RIT 191-200: • Identifies parallel lines • Identifies lines • Identifies angles |
| | RIT 181-190: • Identifies points on a line |

Lesson Title:

Standard/Concept for All:

For Students Ready for a Challenge:

Lesson/Activity:

Resources:

Means of Assessment:

For Most Students:

Lesson/Activity:

Resources:

Means of Assessment:

For Students Needing Extra Support:

Lesson/Activity:

Resources:

Means of Assessment:

Closure/Summary for All:

