

LESSON
12-1

Problem Solving **Lines That Intersect Circles**

1. The cruising altitude of a commercial airplane is about 9000 meters. Use the diagram to find AB , the distance from an airplane at cruising altitude to Earth's horizon. Round to the nearest kilometer.



2. In the figure, segments that appear to be tangent are tangent. Find QS .



3. The area of $\triangle OH$ is 100π , and $HF = 26$ centimeters. What is the perimeter of quadrilateral $EFGH$?



4. \overline{IH} , \overline{JK} , and \overline{KL} are tangent to $\odot A$. What is JK ?



Choose the best answer.

5. A teardrop-shaped roller coaster loop is a section of a spiral in which the radius is constantly changing. The radius at the bottom of the loop is much larger than the radius at the top of the loop, as shown in the figure. Which is a true statement?

- A $\odot K$ and $\odot M$ have two points of tangency.
- B $\odot K$, $\odot L$, and $\odot M$ have one point of tangency.
- C $\odot L$ is internally tangent to $\odot K$ and $\odot M$.
- D $\odot L$ is externally tangent to $\odot K$ and $\odot M$.



6. $\odot G$ has center $(2, 5)$ and radius 3. $\odot H$ has center $(2, 0)$. If the circles are tangent, which line could be tangent to both circles?

- F $x = 2$
- G $x = 0$
- H $y = 2$
- J $y = 5$

7. The Hubble Space Telescope orbits 353 miles above Earth, and Earth's radius is about 3960 miles. Which is closest to the distance from the telescope to Earth's horizon?

- A 1634 mi
- B 1709 mi
- C 3976 mi
- D 5855 mi

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Skill Builder Challenging Equations Twin Sisters® Digital Media™, 2025-04-14 Reviewed evaluated edited and creatively written by teaching professionals this workbook implements current teaching strategies and aligns with grade level standards

Problems and solutions in practical plane and solid geometry, ed. by J.J. Pilley Joseph Hutton Marsland, 1888

Self-Help To NCERT Exemplar Problems Solved Mathematics 10 Munish Sethi, This book is the solution book of NCERT Exemplar Problems Solved Mathematics Based on CBSE Syllabus class 10

A Problem Solving Approach to Mathematics for Elementary School Teachers Rick Billstein, Shlomo Libeskind, Johnny W. Lott, 1990 The text allows for a variety of approaches to teaching encourages discussion and collaboration among students and with their instructors allows for the integration of projects into the curriculum and promotes discovery and active learning Students using this text will receive solid preparation in mathematics develop confidence in their math skills and benefit from teaching and learning techniques that really work

Elements of Geometry, After Legendre, with a Selection of Geometrical Exercises, and Hints for the Solution of the Same Charles Scott Venable, 1881

Riverside Mathematics: Teacher's problem solving resource book Siegfried Haenisch, 1985

Mathematical Questions and Solutions, from the "Educational Times.", 1875

Macmillan/McGraw-Hill Math: Teacher ed., v. 2, 2004

Geometry Workbook, Grade 6 Spectrum, 2013-12-02 Spectrum R Geometry for grade 6 is designed to completely support and challenge sixth graders to master geometry This 96 page math workbook goes into great depth about geometry and provides a wide range of examples practice problems and assessments to measure progress Builds a foundation in geometric angles figures area volume and graphing Step by step examples introduce new concepts Pretests and Posttests to measure progress Problem solving and critical thinking exercises Correlated to the Common Core Standards Answer key The best selling Spectrum R workbooks provide students with focused practice based on the essential skills they need to master for Common Core success With explicit skill instruction step by step examples ample practice as well as assessment tools for progress monitoring students are provided everything they need to master specific math skills Skill specific Spectrum R workbooks are the perfect supplement for home or school

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The Pearson Guide to Mathematics for the AIEEE 2012, The Pearson Guide To Complete Mathematics For The Aieee, 4/E Khattar Dinesh, 2010-09

The Analyst, 1883

Mathematical Questions and Solutions in Continuation of the Mathematical Columns of "the Educational Times"., 1885

Mathematical Questions and Solutions, from the "Educational Times" W. J. C. Miller, 1887

The Practical Teacher, 1883

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