#### TEKS G.1.A.



# > LESSON Problem Solving Flowchart and Paragraph Proofs

The diagram shows the second-floor glass railing at a mall.

Use the given two-column proof to write a flowchart proof.

∠2 and ∠3 are supplementary. Given:

Prove: ∠1 and ∠3 are supplementary.

#### Two-Column Proof:



Statements	Reasons	
<ol> <li>∠2 and ∠3 are supplementary.</li> </ol>	1. Given	
2. m∠2 + m∠3 = 180°	2. Def. of supp. 👍	
3. ∠2 = ∠1	3. Vert. & Thm.	
4. m∠2 = m∠1	4. Def. of ≃ ∠i	
5. m∠1 + m∠3 = 180°	5. Subst.	
<ol><li>∠1 and ∠3 are supplementary.</li></ol>	6. Def. of supp. 🕾	

#### Choose the best answer.

- 2. Which would NOT be included in a paragraph proof of the two-column proof above?
  - A Since ∠2 and ∠3 are supplementary, m∠2 = m∠3.
  - B ∠2 ≃ ∠1 by the Vertical Angles Theorem.
  - C Using substitution, m∠1 + m∠3 = 180°.
  - D m∠2 = m∠1 by the definition of congruent angles.

# **Problem Solving Lesson 4 4 Holt Geometry**

**Eugene Douglas Nichols** 

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Mathematics Instructional Practices in Singapore Secondary Schools Berinderjeet Kaur, Yew Hoong
Leong, 2021-01-06 This book offers a detailed look into the how and what of mathematics instruction in Singapore It presents multiple aspects of mathematics instruction in schools ranging from the unique instructional core practices that promote mastery development of conceptual knowledge through learning experiences nurturing of positive attitudes self regulation of learning and development and use of instructional materials for making connections across mathematical ideas developing mathematical reasoning and developing fluency in applying mathematical knowledge in problem solving The book presents a methodology that is successful in documenting classroom instruction in a comprehensive manner The research findings illuminate instruction methods that are culturally situated robust and proven to impact student learning It demonstrates how a unique data source can be analysed through multiple lenses and provides readers with a rich portrait of how the school mathematics instruction is enacted in Singapore secondary schools

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Geometry Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2001-02

Geometry, Grade 10 Practice Workbook with Examples Holt Mcdougal, 2000 **Mathematics Teacher Resource** Handbook .1993 Learning to Teach Mathematics in the Secondary School Sue Johnston-Wilder, Clare Lee, David Pimm.2016-09-13 Learning to Teach Mathematics in the Secondary School combines theory and practice to present a broad introduction to the opportunities and challenges of teaching mathematics in the secondary school classroom This fourth edition has been fully updated to reflect the latest changes to the curriculum and research in the field taking into account key developments in teacher training and education including examinations and assessment Written specifically with the new and student teacher in mind the book covers a wide range of issues related to the teaching of mathematics such as why we teach mathematics the place of mathematics in the National Curriculum planning teaching and assessing for mathematics learning how to communicate mathematically using digital technology to advance mathematical learning working with students with special educational needs post 16 teaching the importance of professional development the affective dimension when learning mathematics including motivation confidence and resilience Already a major text for many university teaching courses this revised edition features a glossary of useful terms and carefully designed tasks to prompt critical reflection and support thinking and writing up to Masters Level Issues of professional development are also examined as well as a range of teaching approaches and styles from whole class strategies to personalised learning helping you to make the most of school experience during your training and beyond Designed for use as a core textbook Learning to Teach Mathematics in the Secondary School provides essential guidance and advice for all those who aspire to be effective mathematics teachers

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web in this research paper is attempted to design a single stage radial type centrifugal blower for used in required industrial area in this thesis the bower is designed to provide low volume high pressure air for cooling ventilating and exhaust system that handle dust materials or corrosive fumes

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web jan 1 2023 simulation of centrifugal fan is demonstrated by considering a preliminary design model of backward curved bladed impeller centrifugal having 11 blades md1 which is designed using theoretical concepts from fan handbooks to

# **Problem Solving Lesson 4 4 Holt Geometry**

achieve an air capacity of 7 m 3 s producing a total pressure at outlet of fan to be 2000 pa while impeller running at