

LESSON **1-4** **Problem Solving** **Pairs of Angles**

Use the drawing of part of the Eiffel Tower for Exercises 1–5.

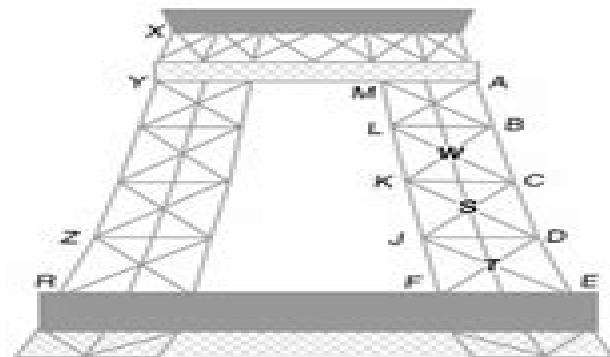
1. Name a pair of angles that appear to be complementary.

2. Name a pair of supplementary angles.

3. If $m\angle CSW = 45^\circ$, what is $m\angle JST$? How do you know?

4. If $m\angle FKB = 135^\circ$, what is $m\angle BKL$? How do you know?

5. Name three angles whose measures sum to 180° .



Choose the best answer.

6. A landscaper uses paving stones for a walkway. Which are possible angle measures for a° and b° so that the stones do not have space between them?

- A** $50^\circ, 100^\circ$ **C** $75^\circ, 105^\circ$
B $45^\circ, 45^\circ$ **D** $90^\circ, 80^\circ$



7. The angle formed by a tree branch and the part of the trunk above it is 68° . What is the measure of the angle that is formed by the branch and the part of the trunk below it?

- F** 22° **H** 158°
G 112° **J** 180°

8. $\angle R$ and $\angle S$ are complementary. If $m\angle R = (7 + 3x)^\circ$ and $m\angle S = (2x + 13)^\circ$, which is a true statement?

- A** $\angle R$ is acute. **C** $\angle R$ and $\angle S$ are right angles.
B $\angle R$ is obtuse. **D** $m\angle S > m\angle R$

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Holt Introductory Algebra 1 Jacobs,Russell F. Jacobs,1993 Mathematics Teacher Resource Handbook ,1993

Algebra 1 Holt Rinehart & Winston,Holt, Rinehart and Winston Staff,2001 **Holt Algebra 1 2003** Holt Rinehart & Winston,Holt, Rinehart and Winston Staff,2003 **Middle School Math** Holt Rinehart & Winston,2004 **The Software Encyclopedia** ,1988 **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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eg 1 $\text{HCl(aq)} + \text{NaOH(aq)} \rightarrow \text{NaCl(aq)} + \text{H}_2\text{O(l)}$ for which $\Delta H = -57\text{kJ mol}^{-1}$ eg 2 $\text{HNO}_3\text{(aq)} + \text{KOH(aq)} \rightarrow \text{KNO}_3\text{(aq)} + \text{H}_2\text{O(l)}$ for which $\Delta H = -57\text{kJ mol}^{-1}$

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