CP Geometry

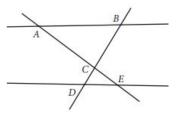
Week of October 9-13, 2023 CP Class Period 3

Week Starts: PSAT prep and Chapter 2

Monday: No classes as teacher inservice

Tuesday: PSAT Warmup Problem --- Brace support

SAT for 11/12th tomorrow, PSAT for 10th+ graders next Thurs.



Note: Figure not drawn to scale.

In the figure above, $\triangle ABC$ is similar to $\triangle EDC$, with $\angle BAC$ corresponding to $\angle CED$ and $\angle ABC$ corresponding to $\angle CDE$. Which of the following must be true? A) $\overline{AE} \parallel \overline{BD}$

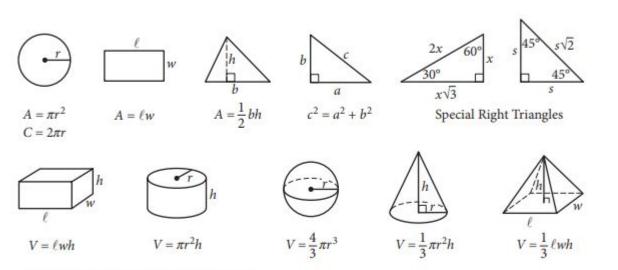
B) $\overrightarrow{AE} \perp \overrightarrow{BD}$ C) $\overrightarrow{AB} \parallel \overrightarrow{DE}$ D) $\overrightarrow{AB} \perp \overrightarrow{DE}$

PSAT SAT formula sheet

https://www.khanacademy.org/miss ion/sat/practice/math

which f(x) is a real number.

REFERENCE



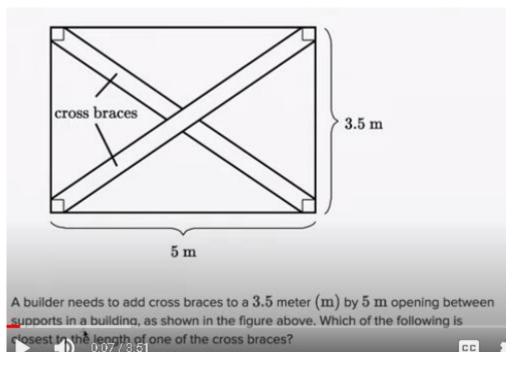
The number of degrees of arc in a circle is 360.

The number of radians of arc in a circle is 2π .

The sum of the measures in degrees of the angles of a triangle is 180.

Activat

SAT Sample Problem - after chapter 1



Tuesday: Chapter 2 Section 1

	on 2.1: Conditional Statements on: When is a conditional statement true or false?	
Lesson Objective	s): Students will write conditional statements.	CC State
	Students will use definitions written as conditional statements. Students will write biconditional statements.	Standards
	Students will make truth tables.	HSG-CO-C.9
Previous Learning: Students will be familiar with the terms <i>hypothesis</i> and <i>conclusion</i> , but not necessarily as they relate to math. They also have had experience determining whether statements are true or false.		HSG-CO.C.10 HSG-CO.C.11 HSG-SRT.B.4
New Vocabulary:	conditional statement, if-then form, hypothesis, conclusion, negation, converse, inverse, contrapositive, equivalent statements, perpendicular lines, biconditional statement, truth value, truth table	

Use Student Journal pg.32 Warmup # 1, 10, 12 --- more for PSAT

Use Student Journal pg.33-34 for explaining conditional statements.

Then pgs. 35-38 for notes from dynamic classroom teacher examples added.

Wednesday - Practice Day 2.1

Complete the student journal examples pg 38

Complete the Practice A and B worksheets

Remember hypothesis p and conclusion q with TRUTH TABLE outcomes conditional $p \rightarrow q$ converse $q \rightarrow p$ inverse $\sim p \rightarrow \ \sim q$ contrapositive $\sim q \rightarrow \ \sim p$

Especially Blconditional existance

Week Continues

Geometry Lesson 2.2 – Day 1: Inductive and Deductive Reasoning Essential Question: How can you use reasoning to solve problems?	
Lesson Objective(s): Students will use inductive reasoning. Students will use deductive reasoning.	CC State Standards
Previous Learning: Students have a previous understanding of patterns and finding the next terms. They should also be familiar with the word <i>conjecture</i> . New Vocabulary: conjecture, inductive reasoning, counterexample, deductive reasoning	HSG-CO.C.9 HSG-CO.C.10 HSG-CO.C.11

Use student journal pg. 39-40 Warmup on pattern finding

Use student journal pg. 41-43 Notes from Teacher Dynamic Classroom Examples

Friday: Practice Day with Practice A and B in small groups.