

Geometry

Week Feb. 12-16, 2024
Chapter 7 Polygons Start

Overview

Monday --- Review Friday's Application Problems and finish writing your own application problem.

Tuesday --- Take the POSTTEST on trigonometry test

Wednesday --- Section 7.1 - Determine and use properties of a polygons to find missing measures of angles (interior and exterior)

Thursday: Section 7.2 - Determine and use properties of a parallelogram to find missing measures of angles and lengths.

Friday: Practice 7.1& 7.2 with exercises from bigideasmath.com

Wednesday:

Chapter 7 : Polygons

Define --- straight closed multiple sided figure (Convex or Concave)

Complete Table of notes -- sum of interior angles

Regular polygons are equilateral and equiangular.

Complete student journal pg. 199

<p>Lesson Objective(s): Students will use the interior angle measures of polygons. Students will use the exterior angle measures of polygons.</p> <p>Previous Learning: Students should be familiar with the angles of polygons from middle school mathematics, specifically grade 8.</p> <p>New Vocabulary: diagonal, equilateral polygon, equiangular polygon, regular polygon</p> <p>Previous Vocabulary: polygon, convex, interior angles, exterior angles</p>	<p>CC State Standards</p> <p>HSG-CO.C.11</p>	<p>CC Mathematical Practice Focus</p> <p>MP3</p>
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Thursday: Parallelograms --- special quadrilateral

7.2 Section:

On graph paper --- draw a parallelogram

Define --- both pairs of opposite sides are parallel

Only one set of a pair is trapezoid.

Complete Table of notes -- 5 properties

Complete student journal pg. 204

<p>Lesson Objective(s): Students will use properties to find side lengths and angles of parallelograms. Students will use parallelograms in the coordinate plane.</p>	<p>CC State Standards</p>	<p>CC Mathematical Practice Focus</p>
<p>Previous Learning: Students previously learned the Midpoint Formula and the slope formula.</p>	<p>HSG-CO.C.11</p>	<p>MP1, MP3, MP6,</p>
<p>New Vocabulary: parallelogram</p>	<p>HSG-SRT.B.5</p>	<p>MP8</p>
<p>Previous Vocabulary: quadrilateral, diagonal, interior angles, segment bisector</p>		

Friday: Book work/online day of exercises

7.1 Exercises --- do darkened ones

1	2	3*	4	5*	6	7*	8
11*	12	13*	14	15	16	17	18
21*	22	23*	24	25*	26	27*	28
31	32	33	34	35	36	37	38
41	42	43	44	45	46	47	48
51	52	53	54	55	56		

Section 7.2 Darkened problems to complete

1	2	3*	4	5*	6	7*	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23*	24	25*	26	27*	28	29*	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50