Geometry – OST Review

Name:_____ **Date:**_____ **Block:**_____

Fill-in the topics as best as you can. The ideas are important for the Ohio State Test in Geometry.

CHAPTER 1

Section 1-3

Midpoint	Segment bisector

Section 1-5

Complementary	Supplementary	Linear pair postulate	Angle bisector

Section 1-6

Perpendicular lines	Perpendicular bisector

Section 1-7

Midpoint formula	Distance formula

CHAPTER 2

Section 2-5

Reflexive property	Transitive property

Section 2-6

Vertical angles theorem

CHAPTER 3

Section 3-1

Parallel lines

Section 3-2

Same-side interior angles postulate	Alternate interior angles postulate	Corresponding angles postulate	Alternate exterior angles postulate

Section 3-5

Triangle angle sum theorem

Section 3-8

Slopes of parallel lines	Slope of perpendicular lines

CHAPTER 4

Section 4-2

Side-side-side postulate	Side-angle-side postulate

Section 4-3

Angle-side-angle postulate	Angle-angle-side theorem

Section 4-4

Corresponding parts of congruent triangles are congruent

Section 4-5

Isosceles triangle	Isosceles triangle theorem	Equilateral triangle

CHAPTER 5

Section 5-1

Triangle midsegment theorem

Section 5-6

Triangle inequality theorem

CHAPTER 6

Section 6-1

Polygon-angle sum theorem	Regular polygon

Section 6-2

Parallelogram	Properties of parallelograms

Section 6-4

Rhombus	Properties of rhombuses	
Rectangle	Properties of rectangles	Square

CHAPTER 7

Section 7-3

Angle-angle similarity postulate	Side-angle-side similarity theorem	Side-side-side similarity theorem

Section 7-5

Side-splitter theorem

CHAPTER 8

Section 8-1

Pythagorean theorem

Section 8-2

45-45-90 triangle	30-60-90 triangle

Section 8-3

Trigonometric ratios (sine, cosine, tangent)	Angle of elevation	Angle of depression

CHAPTER 9

Section 9-1

Translations on the coordinate plane

Section 9-2

Reflections on the coordinate plane (x-axis, y-axis, y = x)

Section 9-3

Rotations on the coordinate plane (90, 180, 270 about the origin)

Section 9-6

Dilations on the coordinate plane

CHAPTER 10

Section 10-5

Area of a triangle given SAS

Section 10-6

Arc measure (minor, major, semicircle)	Arc length

Section 10-7

Area of a sector of a circle

CHAPTER 11

Section 11-1

Cross-section

Section 11-4

Volume of a prism (cylinder)

Section 11-5

Volume of a pyramid (cone)

Section 11-6

Volume of a sphere

CHAPTER 12

Section 12-1

Inscribed	Circumscribed

Section 12-3

Inscribed angle theorem

Section 12-5

Equation of a Circle

Chapter 13

Section 13-4

Probability of A and B (independent/dependent events)	Probability of mutually exclusive events	Probability of overlapping events

Section 13-5

Two-way frequency table	Conditional probability

Section 13-6

Conditional probability formula