

Grade 8 End of Unit 3 Assessment Study Guide

Subject: Math

Date & Time of Test: Wednesday, February 19th, 2020

Duration of Test: 80 minutes

You are expected to study from: All materials mentioned

1. Textbook/Workbooks:

Chapters	Topic	Pages
Extra	Inequalities Write inequalities Graph inequalities on a number line. Solving inequalities by using addition and subtraction Solving inequalities by using multiplication and division Solving two-step inequalities.	Textbook: Pages provided
5-1	Lines To examine the relationship between pairs of angles formed by parallel lines and a transversal.	Textbook: Pages: 371-377
5-5	The Pythagorean Theorem To use the Pythagorean Theorem to find the length of a side of a Right Triangle	Textbook: Pages: 411-417
5-6	Use the Pythagorean Theorem Solve problems using Pythagorean theorem.	Textbook: Pages: 423-427
5-7	Distance on the coordinate plane To use the distance formula to find the distance between two points.	Textbook: Pages: 431-437

2. Types of Question/ Refer To...

Types of Question a. Word problems b. Multiple Choice c. Definitions (Matching or fill in the blank questions) d. Calculations	You are expected to: a. Review Mid-checks b. Review homework c. Review students' notes. d. IXL: X.2, X.5, O.13, O.14, O.17, R.1, N.4
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3. Vocabulary Words: (Definitions should not be memorized it should be understood)

Inequality	A mathematical sentence that uses an inequality symbol. $< > \leq \geq$
Parallel Lines	Straight lines going in the same direction that never intersect or cross.
Transversal Line	A line that intersects two or more lines.
Interior Angles	Angles on the between (inside) of the lines.
Exterior Angles	Angles on the outside of the lines.
Alternate Interior Angles	Are interior angles on the opposite sides of the transversal .
Alternate Exterior Angles	Are exterior angles on the opposite side of the transversal .
Corresponding Angles	Angles that are in the same position on the two lines in relation to the transversal.
Vertical Angles	Opposite angles formed by the intersection of two lines. Vertical angles are congruent.
Supplementary angles	Two angles are supplementary if the sum of their measures is 180°
Complementary angles	Two angles are complementary if the sum of their measure is 90°
Hypotenuse	Longest side on a Right Triangle opposite the right angle
Pythagorean Theorem	A formula used to find the length of a side in right triangles. $a^2 + b^2 = c^2$
Distance Formula	The distance (d) between two points with coordinates (x1, y1) and (x2, y2). $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$