CCMath 8 EOG Prep MORE GEOMETRY NDC \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| 1a) REFLECTION 1b) Explain HOW to do this problem | |
| 2a) DILATION    Explain HOW to do this problem | 2b)    What is the scale factor of the dilation? |
| 3) ROTATION    Explain HOW to do this problem | |
| 4a) TRANSVERSALS & PARALLEL LINES 4b) Can you identify all pairs of angle relationships?    8  7  6  3  4  2  5  1  Vertical Corresponding  Alt. Interior Alt. Exterior   1. 50 degrees C. 80 degrees   B. 130 degrees D. 150 degrees | |
| 5) VERTICAL ANLGES     1. Alternate interior C. alternate exterior 2. corresponding D. vertical | 6) THE PYTHAGOREAN THEOREM     1. 5 in² B. 30 in² C. 50 in² D. 60 in² |
| 7) VOLUME(working backwards)    A. 6 units B. 7 units C. 8 units D. 9 units | 8) VOLUME    What is the volume of the cylinder? |
| 9a) VOLUME  9b) What is the volume formula for a sphere? What can you do to remember it? | |
| 10a) ANGLES  Find the values of x & y in the triangle.10b)EXTERIOR ANGLE RULE    The sum of the 2 opposite interior angles equals  the exterior angle.      10c)TRIANGLE SUM RULE  10d) EXAMPLE 10e) EXAMPLE  All 3 angles inside of any triangle = 180 degrees. | |

Transformations Review Videos:

Dilations Rotations Reflections Translations Combination

