Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

**7.2A Finding Cube Roots\_Classwork**

*Objective: Evaluate cube roots of perfect cubes. Use cube roots to solve equations. (CCSS: 8.EE.2)*

*VIDEO:* <https://www.youtube.com/watch?v=Kpnad_I138Y>

|  |  |
| --- | --- |
|  |  |

Fill in the chart:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Copy examples 1-3, p. 296-7. Then do On Your Own #1 – 8

**EXAMPLE 1: Finding Cube Roots**

|  |  |  |
| --- | --- | --- |
| a. | b. | c. |

**ON YOUR OWN**

|  |  |  |
| --- | --- | --- |
|  |  |  |

**EXAMPLE 2: Evaluating Expressions Involving Cube Roots**

|  |  |
| --- | --- |
|  | b. |

**ON YOUR OWN. Evaluate the expression.**

|  |  |  |
| --- | --- | --- |
|  |  |  |

**EXAMPLE 3: Evaluating an Algebraic Expression**

|  |  |  |
| --- | --- | --- |
|  |  |  |

**ON YOUR OWN. Directions: Evaluate the expression for the given value of the variable.**

|  |  |
| --- | --- |
|  | 1. when b = -3 |

HW: (7.2A) p. 298 #1, 9-11 ALL, 12, 14, 18-20 ALL (Solutions on p. A32)

Copy down the problem. Show your work. Check your answers

EVEN SOLUTIONS: 4) 6) 9 8) -10 10) 12) -9