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

**CHAPTER 7 Vocabulary Part 1 NOTES**

Complete the table for the Vocabulary words in Chapter 7. Use the multi-language glossary under Resources on the BIG Ideas website (if you cannot use BIM, use the textbook.)

|  |  |  |
| --- | --- | --- |
| Vocabulary Word (Term) | Definition(Preferably in your own words) | Drawing or example of the word |
| Square root(p. 290)Perfect square (p. 290)Radical sign (p. 290)Radicand (p. 290)Cube root (p. 296)Perfect cube(p. 296)PythagoreanTheorem (p. 302) |  |  |

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| --- | --- | --- |
| Vocabulary Word (Term) | Definition(Preferably in your own words) | Drawing or example of the word |
| Legs (p. 302)Hypotenuse(p. 302)Distance formula (p. 320) |  |  |

**LESSON OPENER**

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| --- | --- | --- |
| 1 . 3 + 8 = 11 11 – 3 = 8Provide 2 more examples of subtraction undoing addition. | a. | b. |
| 2. 5 $∙$ 3 = 15 15 $÷$ 5 = 3Provide 2 more examples of division undoing multiplication. | a. | b. |
| 3. 42 = 16 $\sqrt{16}=4$Provide 2 more examples of square root undoing a square. | a. | b. |

|  |
| --- |
| 4. Explain how a square root undoes a square. If you want to use an example, you may use one of  your examples above with your explanation. |

*Squaring a positive number and finding a square root are inverse operations. You can use this relationship to evaluate expressions and solve equations involving squares.*