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.)

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| --- | --- | --- |
| 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)  Pythagorean  Theorem (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**

|  |  |  |
| --- | --- | --- |
| 1 . 3 + 8 = 11  11 – 3 = 8  Provide 2 more examples of subtraction undoing addition. | a. | b. |
| 2. 5 3 = 15  15 5 = 3  Provide 2 more examples of division undoing multiplication. | a. | b. |
| 3. 42 = 16    Provide 2 more examples of square root undoing a square. | a. | b. |

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| --- |
| 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.*