**Chapter Six Outcomes: Linear Relations**

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| **Lesson Goals***Place a checkmark in the box that best describes your work.* | **Yes, on my own** | **Yes, with help** | **Sometimes/ Not sure** | **Not yet** |
| 1. **I can represent patterns with linear equations.**
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| 1. I can describe contexts for given linear equations.
 |  |  |  |  |
| 1. I can solve problems that involve patterns using a linear equation.
 |  |  |  |  |
| 1. **I can interpolate values on a graph.**
 |  |  |  |  |
| 1. **I can extrapolate values on a graph.**
 |  |  |  |  |
| 1. **I can graph linear equations.**
 |  |  |  |  |
| 1. I can match equations of linear relations with graphs.
 |  |  |  |  |

**Chapter Six Vocabulary**

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| --- | --- |
| **Term** | **Definition** |
| Linear relation |  |
| Linear Equation |  |
| Numerical coefficient |  |
| Variables |  |
| Constant |  |
| Interpolate |  |
| Extrapolate |  |

**Chapter Six: Linear Relations**

**Outcome 1:** **I can represent patterns with linear equations.**

Examples: Pg.212 Example 1; Pg.214 Example 2

Basic Questions:Pg.216 #2,3; Pg.217 #4-8; Pg.218 #9,10

Advanced Questions: Pg.219 #15

**Outcome 2:** I can describe contexts for given linear equations.

Basic Questions: Pg.226 #3; Pg.239 #3

**Outcome 3:** I can solve problems that involve patterns using a linear equation.

Basic Questions:Pg.218 #11-13; Pg.219 #14

Advanced Questions: Pg.219 #16,17

**Outcome 4: I can interpolate values on a graph.**

Examples: Pg.222 Example 1

Basic Questions: Pg.226 #2,4,5; Pg.227 #6,7; Pg.228 #13,14,15; Pg.229 #16; Pg.241 #13,14

Advanced Questions: Pg.229 #19; Pg.242 #18

**Outcome 5:** **I can extrapolate values on a graph.**

Examples: Pg.223 Example 2

Basic Questions: Pg.227 #8-11; Pg.228 #12; Pg.229 #17

Advanced Questions: Pg.230 #18

**Outcome 6:** **I can graph linear equations.**

Examples: Pg.232 Example 1; Pg.237 Example 3

Basic Questions: Pg.239 #4,5; Pg.240 #7; Pg.241 #12,15; Pg.242 #17,20

Advanced Questions: Pg.238 #2; Pg.242 #16,19; Pg.243 #21

**Outcome 7**: I can match equations of linear relations with graphs.

Examples: Pg.234 Example 2

Basic Questions: Pg.239 #6; Pg.240 #8-11