**Unit 7: Equations and Graphs of Linear Relations**



Use the *Check Point* to check and reflect before completing the *Test Your Understanding Quiz* for

*Unit 7: Equations and Graphs of Linear Relations*.

I understand how to:

|  |  |  |  |
| --- | --- | --- | --- |
| *Unit 7* Concepts | Place a checkmark in the  appropriate column | | |
|  | Yes | No | Maybe |
| Determine the intercepts of the graph of linear relation |  |  |  |
| Determine the slope of the graph of a linear relation |  |  |  |
| Determine the domain and range of a linear relation |  |  |  |
| Sketch a linear relation that has one, two or an infinite number of intercepts |  |  |  |
| Identify a graph that corresponds to a given slope and  *y*-intercept |  |  |  |
| Identify the slope and *y*-intercept that correspond to a given  graph |  |  |  |
| Solve problems using the intercepts, slope, domain or range of linear relation |  |  |  |
| Express linear relations in slope-intercept, general, and slope-point forms |  |  |  |
| Rewrite a linear relation in slope-intercept or general form |  |  |  |
| Explain how to graph relations in slope-intercept or general  form |  |  |  |
| Graph linear relations with and without technology |  |  |  |
| Identify equivalent linear relations |  |  |  |
| Match linear relations to their graphs |  |  |  |
| Write the equation of a graph in slope-intercept form |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| *Unit*  Concepts | Place a checkmark in the  appropriate column | | |
|  | Yes | No | Maybe |
| Determine the equation of a linear relation using the slope and a point |  |  |  |
| Determine the equation of a linear relation using two points |  |  |  |
| Use slope to determine whether lines are parallel or  perpendicular |  |  |  |
| Determine the equation of a linear relation using a point on the line and the equation of a parallel or perpendicular line |  |  |  |
| Graph a linear relation from a context, and write the equation  of the line |  |  |  |
| Solve problems using a linear relations |  |  |  |

If you have any concerns from the Check point, please refer to the *Enhance Your Understanding* for designated practice questions in their solutions to help you improve your skills.

Please contact your teacher for assistance and clarification as needed.

You have completed *Unit 7: Equations and Graphs of Linear Relations*. Please continue your training with the next unit, *Unit 7: Systems of Linear equations.*

Complete the *Test Your Understanding Quiz* when you have reviewed the feedback provided by your marker for your *Unit 7 Practice* and *Assignments.*