## Unit 7 Lesson 13 Cumulative Practice Problems

1. The elevation of a submarine is shown in the table. Draw and label coordinate axes with an appropriate scale and plot the points.

|  |  |
| --- | --- |
| * time after noon (hours) | * elevation (meters) |
| * 0 | * -567 |
| * 1 | * -892 |
| * 2 | * -1,606 |
| * 3 | * -1,289 |
| * 4 | * -990 |
| * 5 | * -702 |
| * 6 | * -365 |



1. The inequalities  and represent the height requirements for an amusement park ride, where represents a person's height in inches.

* Write a sentence or draw a sign that describes these rules as clearly as possible.
* (From Unit 7, Lesson 8.)

1. The -axis represents the number of hours before or after noon, and the -axis represents the temperature in degrees Celsius.

* 
  1. At 9 a.m., it was below freezing. In what quadrant would this point be plotted?
  2. At 11 a.m., it was . In what quadrant would this point be plotted?
  3. Choose another time and temperature. Then tell the quadrant where the point should be plotted.
  4. What does the point represent in this context?

1. Solve each equation.

* (From Unit 6, Lesson 4.)



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