

# Pre-Algebra Unit 8.6: Chapter 4.1-4.4b Functions

1. Title each page with the section number and the assignment description. Include the date as part of your heading.
2. For each problem, write the original information. Show all process steps. Circle or box in the final answer. Use pencil.

January & February 2020

|    | Monday  | Tuesday  | Wednesday   | Thursday   | Friday   |          |
|----|---|--|---|--|--|----------|
| 26 | <b>27</b><br>4.1A<br><br><b>Domain &amp; Range of a Function</b><br><br>✓ HW: Pg.152 #1, 4, 6, 8, 9, 12, 15, & 16     | <b>28</b><br>4.1B<br><br><b>Domain &amp; Range of a Function</b><br><br>✓ HW: Pg.152 #3, 5, 7, 10, 11, 18, & 19  | <b>29</b><br>4.2<br><br><b>Discrete &amp; Continuous Domains</b><br><br>✓ HW: Pg.158 #2-5, 9-11, 15c, & 16-19                   | <b>30</b><br><br><b>Review 4.1-4.2</b><br><br>✓ Clwk: 4.1-4.2 wkst.<br>✓ HW: Pg.161 #1-6, 8, & 10      | <b>31</b><br><br><b>Quiz 4.1-4.2</b><br><br>✓ HW: Skills wkst post Quiz 4.1-4.2        | <b>1</b> |
| 2  | <b>3</b><br>4.3<br><br><b>Linear Functions Patterns</b><br><br>✓ HW: Pg.166 #1, 4*, 6, 7, 9, 10, 11*, 13bc, 17 *Graph | <b>4</b><br>4.4A<br><br><b>Comparing Linear &amp; Nonlinear Functions</b><br><br>✓ HW: Pg.172 #1, 3, 4, 7, 8, 10-12, & 20-24   | <b>5</b><br>4.4B<br><br><b>Comparing Linear &amp; Nonlinear Functions</b><br><br>✓ HW: Pg.173 #13 & 15 AND Pg. 178 #1-6, 8, & 9 | <b>6</b><br><br><b>Review Ch. 4.1-4.4</b><br><br>✓ HW: Pg.175 #1, 4, 5 & 6 (No Graphs for 5 & 6), 7-13 | <b>7</b><br><br><b>More Ch. 4.1-4.4 Review</b><br><br>✓ HW: Study for Ch. 4.1-4.4 Test | <b>8</b> |
| 9  | <b>10</b><br><br><b>Test Unit 8.6 (Ch. 4.1-4.4)</b><br><br>✓ HW: Fix missing, incomplete, & absent work               | <p style="text-align: center;"><b>Homework Club ☺</b></p> <p><b>Mondays &amp; Wednesdays</b> 3:00-4:30 in Ms. Dunham-Bay's Classroom #66</p> <p>* Students have access to lesson tutorials on Ms. Dunham-Bay's YouTube channel.<br/> <a href="https://www.youtube.com/channel/UCfGZXVdXXDtV3NII4V0tR1A">https://www.youtube.com/channel/UCfGZXVdXXDtV3NII4V0tR1A</a><br/>                     Go to the "playlists" and click on the unit you are working in.<br/>                     **Free online Tutor: <a href="http://sled.alaska.edu/homework.html">sled.alaska.edu/homework.html</a><br/>                     ** Students on base also have tutoring available at the YS</p> |   |  |  |          |

## Essential Questions

- How can you write an equation of a line when you are given the slope and the y-intercept of the line?
- How can you write an equation of a line when you are given the slope and one point on the line?
- How can you write an equation of a line when you are given two points on the line?
- When is the graph of an equation a straight line?
- How can you use a linear equation to model and solve a real-life problem?

## Vocab

- function
- domain
- range
- mapping diagram
- input
- output
- discrete domain
- continuous domain
- linear function
- nonlinear function

What do you call a snake which is exactly 3.14 meters long?

A  $\pi$  thon

