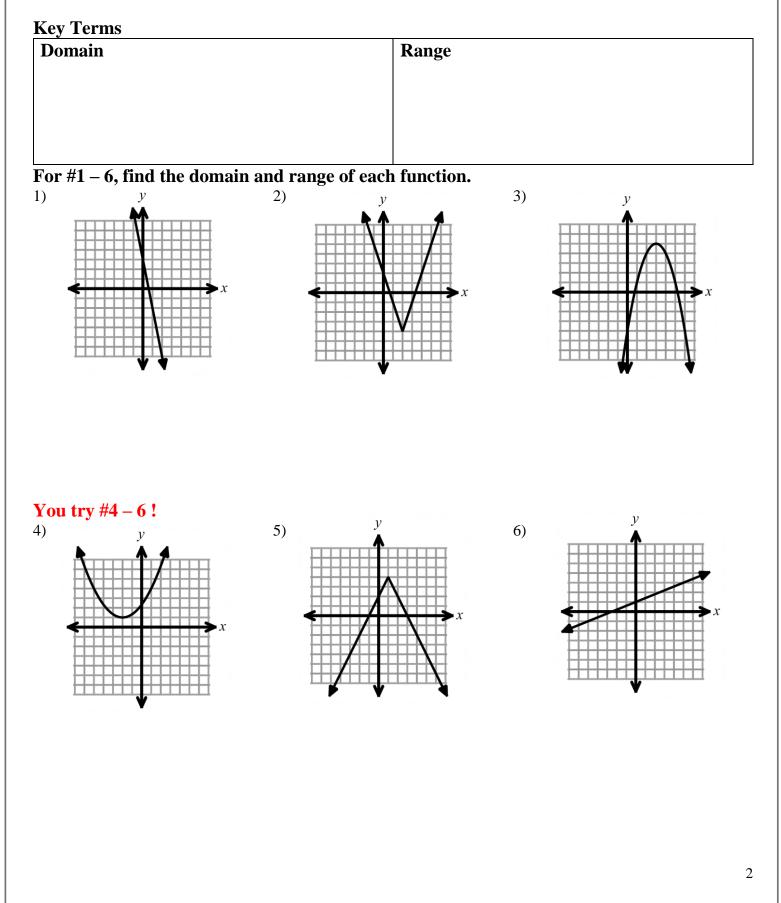
Name

Day	Date	Assignment (Due the next class meeting)
Tuesday	11/22/22	5.1Worksheet
Monday	11/28/22	
Tuesday	11/29/22	5.2Worksheet
Wednesday	11/30/22	
Thursday	12/01/22	5.3Worksheet
Friday	12/02/22	
Monday	12/05/22	5.4 Worksheet
Tuesday	12/06/22	
Wednesday	12/07/22	Ch 5 Review Wk
Thursday	12/08/22	
Friday	12/09/22	Ch 5 Big Quiz
Monday	12/12/22	HW: Sem 1 Rev Wk #1
Tuesday	12/13/22	Sem Rev Wk #2
Wednesday	12/14/22	
Thursday	12/15/22	Practice Final
Friday	12/16/22	
Monday	12/19/22	C day: STUDY!
Tuesday	12/20/22	Final Exams
Wednesday	12/21/22	
Thursday	12/22/22	

NOTE: Be prepared for daily quizzes.

- HW is due the next class meeting.
- Late HW is reduced by 50% of the score.
- Students with 100% homework completion and no missing homework for the semester will get a 2% grade increase.
- Students with 100% homework completion AND no late/missing homework for the semester will be rewarded with a pizza party.
- See <u>www.washoeschools.net/DRHSmath</u> if you need handouts for this class.

5.1 Notes: More Domain and Range



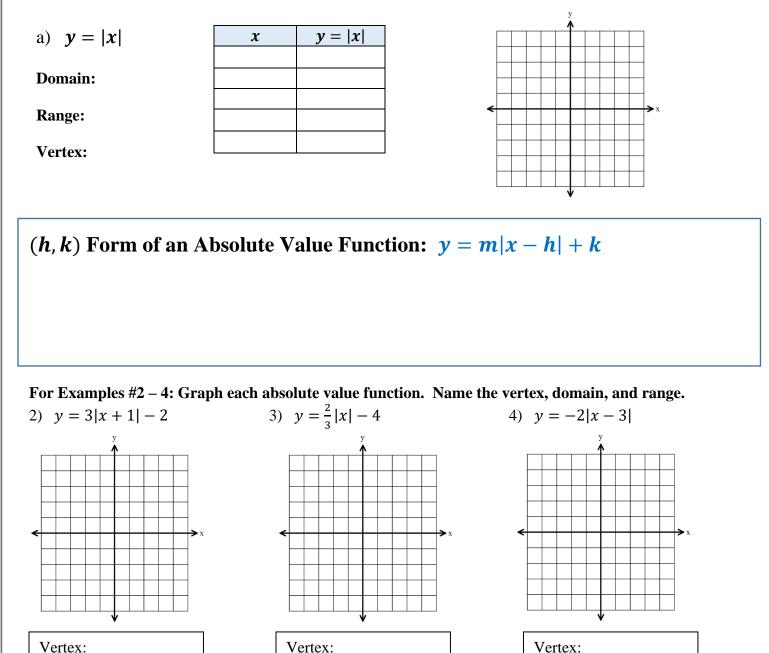
Credit Recovery Algebra 1 Sem 1Ch 5 Notes: Absolute Value Functions For #7 – 15, find the domain and range of each function. ν 8) 9) You try! 7) v 10) 11) 12) You try! v 13) 15) You try! 14) Not a function...

5.2 Notes: Graphing Absolute Value Functions

Objectives:

- Students will be able to graph absolute value functions. •
- Students will be able to identify domain, range, and vertex of absolute value functions. ٠

Example 1: Use a table of values to graph the functions y = |x|.



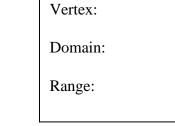
Domain:

Range:

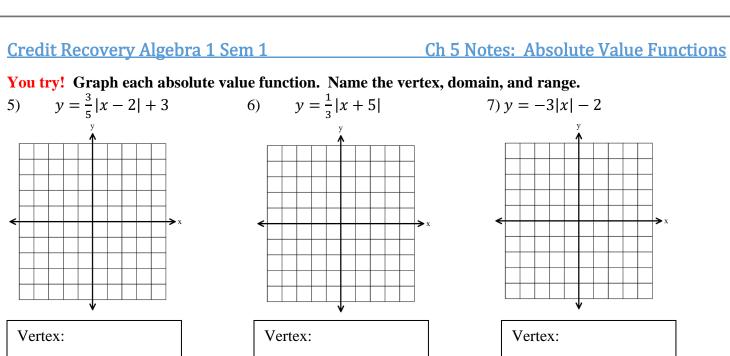
Vertex:

Domain:

Range:

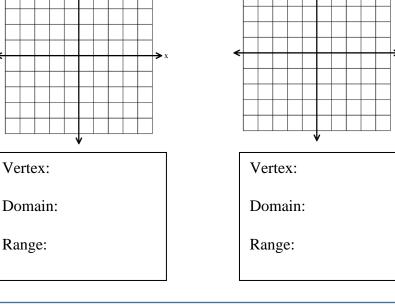


4



Domain:

Range:



A parent function is the most basic form of a family of functions. The parent function for Absolute Value functions is :

Transformations from the parent function:

Reflection Compression **Shifts** Stretch For #8–9: Graph each function. Describe the transformations form the parent function y = |x|9) $y = -\frac{2}{5}|x+1| + 4$ 8) y = 2|x - 4| + 3• x 5

3) $ x - 3 = 6$
6) $ 3x + 1 = 16$

Credit Recovery Algebra 1 Sem 1Ch 5 Notes: Absolute Value Functions

Examples 7 – 8: Solve for x in each equation below. 7) 10|x| - 14 = 6

$$8) -\frac{1}{3}|x+2| = -6$$

You try! For #9 - 10: Solve for *x* in each equation below. 9) $\frac{1}{5}|x| - 4 = 2$ 10) -5|x-3| + 1 = -9

Absolute Value Equations with No Solution

Examples 11 – 14: Solve for *x*, if possible. 11) -2|x-4| + 16 = 20

12) -5|-3x+1| + 6 = -14

Credit Recovery Algebra 1 Sem 1Ch 5 Notes: Absolute Value Functions

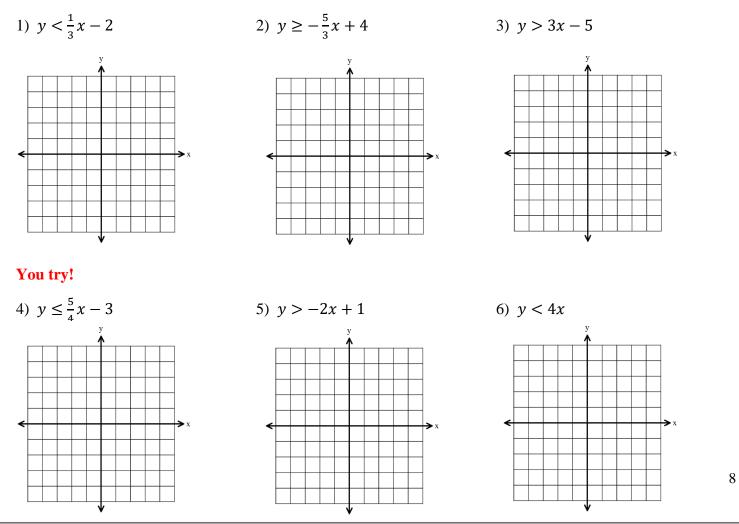
5.4 Notes: Extra Topics

Objectives:

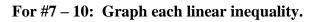
- Students will be able graph linear inequalities •
- Students will be able to write explicit forms for arithmetic sequences •

Graphing Linear Inequalities

For #1 – 6: Graph each linear inequality.



Credit Recovery Algebra 1 Sem 1Ch 5 Notes: Absolute Value Functions



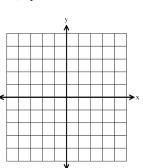
You try #9 – 10!



8) $x \le 3$

9) x > -4





Arithmetic Sequence

Explicit Formula for an Arithmetic Sequence: $a_n = dn + a_0$

For #11 – 14: Write the explicit formula for each arithmetic sequence below. 12) 11, 6, 1, -4, -9, ... 11) -5, -2, 1, 4, 7, ...

13) 2, 13, 24, 35, ...