

# ARRANGED HOUR FOR MATH 50

## Math 50 – Review 2 (R2)

Whole Number Exponents and Order of Operations

Name \_\_\_\_\_

Instructor \_\_\_\_\_

Date \_\_\_\_\_

1. Evaluate the following exponential expressions, when appropriate leave answers as a fraction.

$5^6 =$	$\left(\frac{4}{7}\right)^3 =$
$\left(-\frac{2}{9}\right)^2 =$	$-2.3^2 =$
$-5^4 =$	$(0.25)^3 =$

2. Evaluate each expression

a)  $\frac{12.4 + 3.5 + 5.2 + 8.2}{4}$ , round your answer to one decimal place.

b)  $\left(\frac{2 - (-3)^2}{6^2 - 4 \cdot 2}\right)^2$ , leave your final answer as a fraction.

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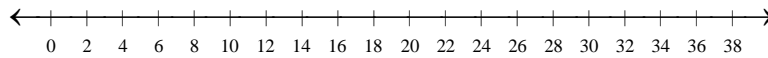
3. The following is a list of hours you worked each week over the summer

Week	1	2	3	4	5	6	7	8
Hours worked	10	15	20	18	22	23	25	30

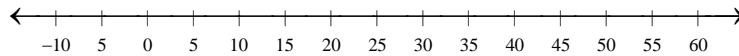
a. Are the hours you worked mostly increasing or decreasing in value? Briefly explain your answer in a sentence.

b. What are the correct units for your data set?

c. Plot the hours you worked on the number line, label the week for the hours above the line.



d. Plot the hours you worked on the number line, label the week for the hours above the line.



e. Which plot makes more sense to use if you were going to show this to a group of people to explain how many hours you worked, the answer in part c or d? Briefly explain your answer.