

Sept 10 Algebra I  
 Standards: Number Sense and  
 Operations

Chapter 2

1. Old HW
2. Standard
3. Test Results
4. p 68 14-34
5. Properties
6. p 77 32-37
7. p 82 32-37
8. Vocab

Vocab

1. Whole Number:  $W$   
 $\{0, 1, 2, 3, \dots\}$
2. Integer:  $Z$   
 $\{\dots, -2, -1, 0, 1, 2, \dots\}$
3. Rational Number:  $R$   
 Any # that CAN be  
 written as a fraction.  
 ex.  $3.2$ ,  $3.\bar{2}$ ,  $\bar{3}$
4. Opposites  $+4 \rightarrow -4$   
 "change the sign"
5. Absolute Value: it is  
 always the positive value  
 of a number  
 ex  $|-8.4| \rightarrow 8.4$   
 $|3.9| \rightarrow 3.9$

Properties:

Comm. Prop Add - CPA  
 $a + b = b + a$

Assoc. Prop Add - APA  
 $(a + b) + c = a + (b + c)$

Id Prop of Zero  
 $a + 0 = a$

Inverse Prop of Add  
 $a + -a = 0$

p 77 (36)  
 $-3\frac{1}{2} + (-7\frac{2}{5}) + (-9\frac{3}{10}) = -20.2$

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p 82 (34)  $x - |y - z|$   
 $3.6 - |6.6 - 11|$   
 $3.6 - |6.6 + 11|$   
 $3.6 - |17.6|$   
 $3.6 - 17.6 \rightarrow -14$

p 68 (18)  $-\frac{1}{R}, -0.1, 0, .1$   
 $R, R, R, W, R$   
 $Z, R$

Rational Number:  $R$

p 68 (34)  $-a = -\frac{1}{3}$   
 $|a| = \frac{1}{3}$