Center #1 – Add or subtract the integers

1) -16 + (-11)

2) 100 + (-74)

3) -35 + 23

4) 8 – 18

5) -16 – (-34)

6) -18 – 7 + 13

Center #2 – Multiply or divide the integers

1) -8 × 6

2) 12 • (-7)

3) (-9) (-5) (-7)

4) $\frac{-42}{-6}$

5) -30 ÷ 6

6) 84 ÷ (-7)

Center #3 – Evaluate the expression when x = 3, y = -4, and z = -6

1) $z \div x - y$

2) $\frac{xy + z}{z}$

3) $\frac{z - 2x}{y}$

4) $3z + 8x \div y - (-5)$

Center #4 – Find the mean of the integers

1) 64, -13, 73, -5, 36

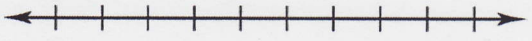
2) -4, -9, 11, -16, 8, -5

Center #5 – Graph the integer and its opposite

1. -2

2. 2.5

3. -1.75



4. 100

Center #6 – Find the value of the variable. Use a number line if that helps.

1) $a - 7 = -15$

2) $b - (-3) = 12$

3) $5 - c = -8$

Find the absolute value and complete the statement with <, >, or =.

4) $|12| \_\_\_\_\_ |-9|$

5) $|-23| \_\_\_\_\_ |-21|$

6) $|8| \_\_\_\_\_ -|-8|$

Math 6 Acc Ch. 6/11 p288 #1-12 all; p512 #7-13 all, 16

Center #1 – Add or subtract the integers

1) -16 + (-11)

-27

2) 100 + (-74)

26

3) -35 + 23

-12

4) 8 – 18

-10

5) -16 – (-34)

-16 + 34

18

6) -18 – 7 + 13

-18 + -7 + 13

-25 + 13

-12

Center #2 – Multiply or divide the integers

1) -8 × 6

-48

2) 12 • (-7)

-84

3) (-9) (-5) (-7)

45 · -7

-315

4) $\frac{-42}{-6}$

7

5) -30 ÷ 6

-5

6) 84 ÷ (-7)

-12

Center #3 – Evaluate the expression when x = 3, y = -4, and z = -6

1) $z \div x - y$

-6 ÷ 3 - (-4)

-2 + 4 = 2

2) $\frac{xy+z}{z}$

-12 + -6

$\frac{3 \cdot -4 + -6}{-6} = \frac{-18}{-6} = 3$

3) $\frac{z-2x}{y}$

$\frac{-6 - 2 \cdot 3}{-4}$

$\frac{-12}{-4} = 3$

4) $3z + 8x \div y - (-5)$

3 · -6 + 8 · 3 ÷ -4 - (-5)

-18 + 24 ÷ -4 + 5

-18 + -6 + 5

-24 + 5 = -19

Center #4 – Find the mean of the integers

1) 64, -13, 73, -5, 36

$64 + -13 + 73 + -5 + 36 = 155$

$155 \div 5 = 31$

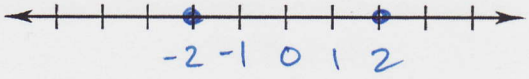
2) -4, -9, 11, -16, 8, -5

$-4 + -9 + 11 + -16 + 8 + -5 = -15$

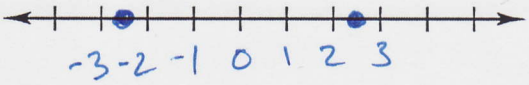
$-15 \div 6 = -2.5$

Center #5 – Graph the integer and its opposite

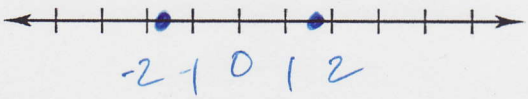
1. -2



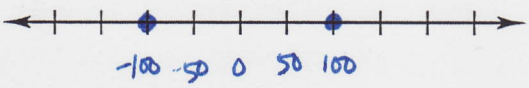
2. 2.5



3. -1.75



4. 100



Center #6 – Find the value of the variable. Use a number line if that helps.

1) $a - 7 = -15$

$(-8) - 7 = -15$

2) $b - (-3) = 12$

$(9) - -3 = 12$

3) $5 - c = -8$

$5 - (13) = -8$

Find the absolute value and complete the statement with <, >, or =.

4) $|12| \_\_\_ |-9|$

$12 \geq 9$

5) $|-23| \_\_\_ |-21|$

$23 \quad 21$

6) $|8| \_\_\_ -|-8|$

$8 \quad -8$