Name:

Rules for Subtracting Integers (Additive Inverse aka **Keep, Change, Change**)

1. Keep the first integer
2. Change the subtraction sign to an addition sign
3. Change the integer after the subtraction sign, now an addition sign to its opposite
4. Follow the addition rules for adding with the same sign or different signs

Example: **- 4 – 6**

-4 + 6 Change the subtraction sign to an addition sign

-4 + (-6) Change 6 to its opposite, -6

-(4 + 6) Since the integers have the same sign, add their absolute values

= **-10** The answer is -10 because both integers have the same sign

Find each difference.

1. 3 – (-3)

=

2. -5 – 4

=

3. -2 – 7

=

4. 5 – (-5)

=

5. -3 – (-4)

=

6. -3 – (4)

=

7. 8 – (-4)

=

8. – 12 – 33

=

9. 42 – (-14)

=

10. -39 – (-45)

=

11. -60 – (-120)

=

12. 85 – (-30)

=

LIVEWORKSHEETS

Add the following integers:

1. $(-6) + (-4)$

=

2. $8 + (-5)$

=

3. $(-8) + (-13)$

=

4. $(-7) + (7)$

=

5. $(-10) + (-4)$

=

6. $9 + (-14)$

=