

## MAT0028 ~ Lesson 4

Work the following examples as you listen to the recorded lecture.

### Adding Real Numbers

Sign Rules for Adding and Subtracting	
Like Signs (+,+ or -,-)	Unlike Signs (+,- or -,+)
1. Add the numbers	1. Subtract the numbers
2. Keep the sign	2. Keep the sign of the larger (absolute value)

Example 1:  $9 + (-12)$

Example 2:  $-6 + (-14)$

Example 3:  $-5 + 9$

Example 4:  $|-6| + 61$

Example 5:  $-\frac{5}{9} + \frac{1}{3}$

Example 6:  $-9 + 15 + (-5)$

Example 7:  $|9 + (-12)| + |-16|$

Example 8:  $-|-2|$

Example 9:  $-(-3)$

*Find the additive inverse or opposite:*

Example 10: 4

Example 11: -2

Example 12:  $|-6|$

Example 13: 0