Elementary Algebra
Chapter 1 Test Review

These are the different problem types you should feel comfortable with for the test.

1. Combine numbers:

$5-(-2)-(+4)-(-3)$	$7-(+1)-(-3)-(-2)$

2. Find the sum or difference

$\dfrac{-5}{6}+\dfrac{1}{8}$	$\dfrac{5}{12}-\dfrac{7}{9}$
$5-\dfrac{1}{3}$	$\dfrac{1}{4}-3$

3. Multiply and Divide Fractions:

$\dfrac{8}{12}\cdot\dfrac{9}{20}$	$\dfrac{8}{15}\div\dfrac{16}{12}$
$\dfrac{40}{30}\div\dfrac{12}{15}$	$\dfrac{15}{12}\cdot 30$

4. Use order of operations to evaluate:

Evaluate: $2^4 \div 8 \cdot 2 + (-1)^2$	Evaluate: $\dfrac{6(-2)-3^2}{10-3(-2+5)^2+3}$
Evaluate: $3-2[4^2-5(2+4)]$	

5. Simplify algebraic expressions:

Simplify: $7-(-3x+4)-2(8x-3)$	Simplify: $-(7x+2)-3(4x-1)$
Simplify: $-9(x+2)-3(x+4)$	