

Subtracting Integers
10 points
(K. Kopelousos, 2007)

A) Find the following *differences* either with a calculator or by hand.

$$10 - 6 =$$

$$15 - 9 =$$

$$100 - 34 =$$

$$249 - 150 =$$

$$25 - 15 =$$

$$37 - 17 =$$

B) Now find the following *sums* either with a calculator or by hand.

$$10 + -6 =$$

$$15 + -9 =$$

$$100 + -34 =$$

$$249 + -150 =$$

$$25 + -15 =$$

$$37 + -17 =$$

C) Compare the differences with the sums. Were they the same? Were they opposites? Were there any similarities?

D) What does this tell you about subtraction?

E) If you were asked to write the subtraction problem "39-10" as an addition problem, what would it be?

F) Do you think that $95 - 32$ equals $95 + -32$? Check it with you calculator.

G) Using the same reasoning as above, rewrite the following subtraction problems as addition problems. Work both sets of problems with the calculator.

<u>Subtraction</u>	<u>Difference</u>	<u>Related Addition</u>	<u>Sum</u>
$17 - 4 =$			
$-17 - 4 =$			
$17 - (-4) =$			
$-17 - (-4) =$			

H) Did you get the same answers for the subtraction problems as you did for your addition problems? If 'no', try again!