0-3: Operations with Integers

Ex #1: Please find each sum or difference.

(a) $4 + 6$

(b) $4 - 6$

(c) $-4 + 6$

(d) $-4 - 6$

(e) $4 - (-6)$

(f) $-80 + 106$

(g) $-43 - 17$

(h) $-43 + 17$

(i) $12 - 36$

(j) $-1 + 53$

Ex #2: Please fill in the blanks.

A POSITIVE number multiplied (or divided) by a POSITIVE number is always _____.

A POSITIVE number multiplied (or divided) by a NEGATIVE number is always _____.

A NEGATIVE number multiplied (or divided) by a POSITIVE number is always _____.

A NEGATIVE number multiplied (or divided) by a NEGATIVE number is always _____.

Ex #3: Please find each sum or product.

(a) $64 \div -8$

(b) $12(-6)$

(c) $-4 \div -1$

(d) $-300 \div 2$

(e) $-23 \cdot -4$

(f) $-3(2)(-4)$

Ex #4: If you wake up in the morning and it's –3°C (cold!) and by noon it's 9°C, then how much did the temperature increase overall?

Ex #5: A concert organizer distributes 50 promotional-codes, each good for a $4 discount off of a certain show. What is the total amount of discounts combined, for all the promotional-codes?

Ex #6: Suppose Suzanne makes $20/hour, and works 12 hours one week. If $38 is held for taxes, how much does Suzanne receive in total, after taxes?