


Example 1: Rewrite the following subtraction problems as equivalent addition problems. Next, find the value of the expression if possible.
a) $a-(-b)$
b) $x-(-y)$
c) $-3-(-2)$
d) $5-(-8)$

Example 2: Evaluate each expression.
a) $5-(-5)$
e) $-2-(-4)+(-6)$
b) $-5-(-5)$
f) $-10+(-20)-(-30)$
c) $0-(-8)$
g) $17-(-4)-15$
d) $-4-(-6)$
h) $11-(-13)-(-6)$

Example 3: Evaluate each expression.
a) $(-4-10)-(-8+2)$
b) $-4-(-5)+9-(-7)$

Example 4: Write an expression for each word statement. Next, evaluate the expression.
a) Subtract negative twelve from the product of three and four.
b) subtract negative three from the sum of eight and negative seven.

Answer the following homework questions.

In Exercises 1-15, use the number line to evaluate each expression.


1) $-5-(-8)$
2) $0-(-6)$
3) $5-4-(-6)$
4) $-2-(-7)$
5) $0-(-4)$
6) $3-8-(-2)$
7) $-7-(-12)$
8) $2-(-2)$
9) $4+(-10)-(-3)$
10) $-1-(-5)$
g) $3-(-3)$
11) $-2+(-5)-(-13)$
12) $2-(-3)$
13) $-3-(-3)$
14) $-3+(-3)-(-6)$

In Exercises 16-18, write an expression for each word statement. Next, evaluate the expression.
16) Find the difference of negative fifteen and negative thirty-one.
17) Find the difference of negative thirty-one and negative fifteen.
18) Subtract negative twenty-one from the sum of negative nineteen and seven.

