***MPM1D Adding and Subtracting Integers***

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| Never write two signs (+, -, x, ÷) side by side: add brackets around the second one as required.  $-3 + - 4$ 🡨**Bad Form!** $-3 +(- 4)$ 🡨**Proper!**  |
| That being said, it is often helpful to reduce the number of signs and brackets in an expression. When doing this, we need to follow certain rules: a) $3-(+1) =$ 3 b) $3+(-1) =$c) $3+(+1) =$ d) $3-(-1) =$ |

**1. Evaluate**.

a) $114-120$ b) $-60-35$ c) $2-6-8+6+10$ d)$ -5+4+3-1-8$

**2. Evaluate.** Show any steps you use to simplify, especially when you have two signs in a row.

a) $-2- (-4)$ b) $3+8+(-5)$

c) $-20-\left(-10\right)+\left(-35\right)-(-20)$ d) $-6+\left(-3\right)-\left(-3\right)-(+10)$

1. List four possible values to make each statement true. If not possible, write “not possible”

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| * 1. An integer greater than $-2$ and greater than –8
 | * 1. An integer greater than $-12$ and less than –2
 | * 1. An integer greater than $-2$ and less than –12
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| 4a) If you subtract a positive integer from a negative one, is the result positive or negative?Example: | b) If you subtract a negative integer from a positive one, is the result positive or negative?Example: |
| c) If you subtract a negative integer from a negative one, how can the result be negative?Example: | d) If you subtract a positive integer from a positive one, how can the result be negative?  Example: |