

Each WA is worth 10 points. Work right on these pages. You can work together or see a tutor, but NEVER copy. This WA is for a grade, so dishonesty or cutting corners may earn a 0 for all involved.

1. [2 pts] Write the complete, exact number sentence acted out by this Clown's movements:

*They start on 3. They face right and walk backward 5 steps. They turn to face left and walk forward 4 steps. They stay facing left and walk backward 1 step. Finally, they face right again and walk forward 2 steps.*

2. [2 pts] Write two conceptually DIFFERENT temperature story problems that both illustrate the computation  $(-8) \times (-3)$ . Remember to ask a comparison question at the end. (You don't need to actually answer your problems this time.)

3. [1.5 pt] Write a Number Sentence Pattern leading to  $6 \times (-2)$ .

4. [1.5 pt] Write a Number Sentence Pattern leading to  $(-4) - 1$ .

5. [2 pts - 1 each] Thoroughly explain how to act out each computation using plus/minus chips. Drawings are allowed, but will not be graded.

(a)  $6 + (-2)$

(b)  $(-4) - (-1)$

6. [1 pt] (Based on content from Mon/Tues, Sept. 16/17) Circle all computations below that CANNOT be acted out using plus/minus chips and the multiplication/division scenarios we are using.

$15 \times (-3)$        $15 \div (-3)$        $(-15) \times (-3)$        $(-15) \div (-3)$        $(-15) \times 3$        $(-15) \div 3$