Each WA is now worth **10 points** total. 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]* Find the 5028th term of t, 3, t, 9, n, 7, 9, 2, t, 3, t, 9, n, 7, 9, 2, t, 3, t, 9, n, 7, 9, 2, ... Show clear work, and briefly EXPLAIN (2 sentences or so) your mathematical process in a way that tells **someone not in our class** WHY you did it/WHAT your results represent in context.

2. *[2 pts]* Find the 730th term of 60, 51, 42, 33, ... Show clear work, with correct equal sign use, but you need not explain.

3. *[0.5 pts]* Identify one part (your answer can look like "#1(a)") on this WA where I give you a complete number sentence and another where I give an algebraic expression, telling which is which.

4. *[1 pt]* Complete the number sentence below so that it demonstrates the Zero Property of Multiplication

$$5(4+3) + (2+1) + 0 = \underline{\hspace{5in}}$$

5. *[1.5 pts - 0.5 each]* Tell whether the work shows correct or incorrect use of the $=$ sign in each part below. If incorrect, fix the work to be correct.

(a) In a problem-solving problem on an exam, I have to compute three products and then add them: 10 times 24, 100 times 2, and 2 times 3.

$$10 \times 24 + 100 \times 2 + 2 \times 3 = 240 + 200 = 440 + 6 = 446$$

(b) In a "distant term" problem, I have to multiply 18 and 63 and then add that to 10.

$$18 \times 63 = 1134 + 10 = 1144$$

(c) I'm working a problem where I need to subtract 16 from 2391, then divide by 25 and add 1.

$$(2391 - 16) \div 25 + 1 = 96$$

6. *[1.5 pts - 0.5 each]* Give the full name of the property demonstrated in each part below.

(a) $(6 + 3) + 5 \cdot 4 = 6 + (3 + 5 \cdot 4)$

(b) $(6 + 3) + 5 \cdot 4 = (6 + 3) + 4 \cdot 5$

(c) $(6 + 3) \cdot 1 + 5 = (6 + 3) + 5$

7. *[1.5 pts]* Simplify completely, showing clear steps.

$$3(4a - 7) - 8(2t - 1) - (6a + t) + 5$$