Consider the following recursive function. You may assume that the input will be a multiple of 3.

```java
public int test(int n) {
    if (n <= 6) {
        return 2;
    } else {
        int curr = 0;
        for (int i = 0; i < n * n; i++) {
            curr += 1;
        }
        return curr + test(n - 3);
    }
}
```

(a) Write a recurrence modeling the worst-case runtime of test.

(b) Unfold the recurrence into a summation (for $n \geq 6$).

(c) Simplify the summation into a closed form (for $n \geq 6$).
Another question

Do you have any questions about this course? It could be about policy, content, instructors, TAs, etc.