

## Attendance Quiz 5

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. (a) **Using definition**, find the slope of the tangent to the curve  $f(x) = 1 - 2x - 3x^2$  at  $x = -2$ .

(b) Using part (a), find equation of the tangent lines at the point  $(-2, -7)$ .