

Math 2143 - Brief Calculus with Applications

Discussion Board Week 1 - Due 2018.06.10

For each of the given quadratics and x -value, compute the equation of the tangent line.

1. $f(x) = 2x^2 - 3x + 1, x = 1$

2. $f(x) = -3x^2 + 4x + 2, x = 2$

3. $f(x) = x^2 + 5x - 1, x = -1$

4. $f(x) = -3x^2 + 2x - 5, x = 0$

5. $f(x) = -2x^2 - 3x - 4, x = -1$

6. $f(x) = 4x^2 + 5x + 6, x = 3$

7. $f(x) = -2x^2 - 3x - 4, x = -1$

8. $f(x) = 3x^2 - 4x + 2, x = 3$

9. $f(x) = 5x^2 + 4x - 2, x = -2$

10. $f(x) = 2x^2 - 3x + 7, x = -4$

11. $f(x) = -4x^2 - 6x + 9, x = -1$