Exercises

1. **Find the average value over the interval:**

    (a) $2\sin(x) - x^2$ over (0,2)

    (b) $x^2 - x + \frac{1}{2x}$ over (3,2)

    (c) $\dfrac{2x}{x^2 + 1}$ over $(-10000, 10000)$