

(6.5) Average Value of a Function

Full Name: \_\_\_\_\_

1. Find the average value of the function on the given interval.

(a)  $\frac{22}{3}$

(b)  $\frac{2}{e^2 - 1}$

(c)  $\frac{2}{5}$

(d)  $\approx 0.00688$

2.  $10 + \frac{16}{\pi} \approx 15.093^\circ C$

3. 1 pint...occurs when  $t$  equals  $\frac{5}{4}$  and  $\frac{15}{4}$ .