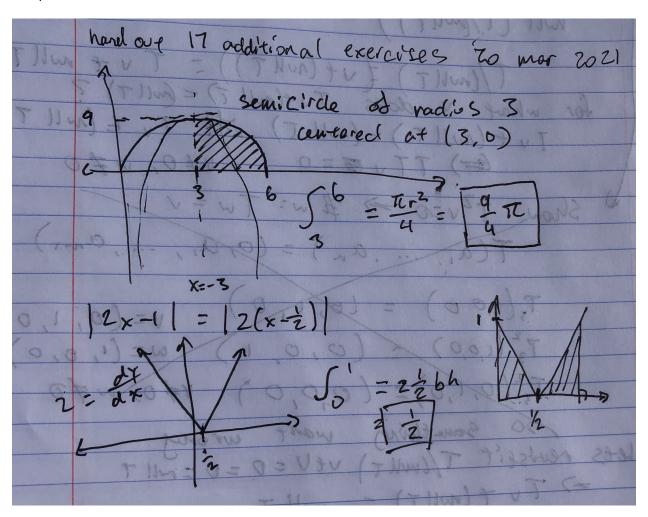
1 | Exercises

1.1 | **1.1 and 1.2**



1.2 | 1.3

I expect

$$\int_{1}^{2} f(x)dx = \int_{1}^{5} f(x)dx - \int_{2}^{5} f(x)dx = -3 - 4 = -7$$

In fact, I expect

$$\int_{a}^{b} f(x)dx + \int_{b}^{c} f(x)dx = \int_{a}^{c} f(x)dx$$

1.3 | **1.4**

$$\int_{a}^{b} x^{2} dx =$$

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