9. A movie theater has fixed costs of $5000 per day and variable costs averaging $2 per customer. The theater charges $7 per ticket

(a) How many customers per day does the theater need in order to make a profit?

(b) Find the cost and revenue functions and graph them on the same axes. Mark the break-even point.
Section 1.5

5. A product costs $80 today. How much will the product cost in $t$ days if the price is reduced by:

(a) $4$ a day

(b) $5\%$ a day