

Name: _____

Date: _____

Problem-Based Task: Money in Your Pocket

You interviewed for your dream job last week. The boss just called and offered you the position, but you must choose how you will be paid. You have two options. With Option A, you will have a starting salary of \$50,000 per year, but you will get a 20% raise each year. Option B is modeled by the equation $S(x) = 1530x^2 + 2000x + 84,000$, where x is the number of years you've been working with the company and $S(x)$ is your annual salary.

If you are 30 years old and plan to work for the company for only 5 years, which salary option should you choose? What if you plan to work for the company until you retire at age 65?

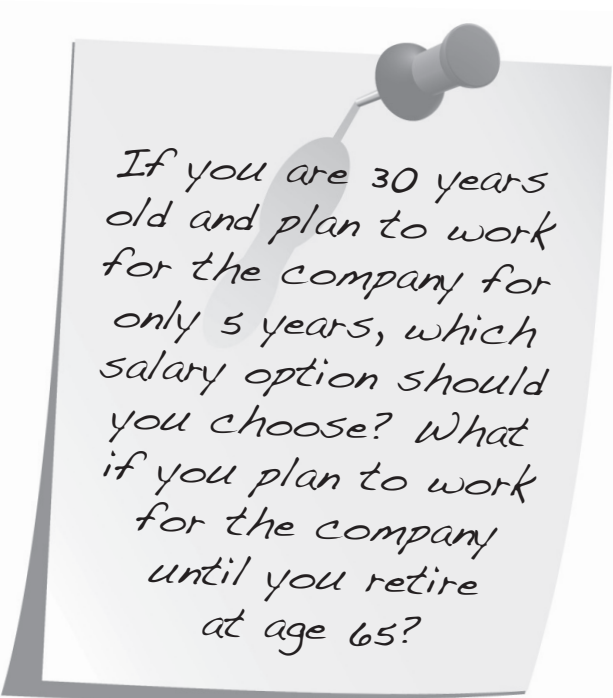
SMP

1 ✓ 2

3 ✓ 4 ✓

5 6

7 ✓ 8



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