Task #1:

A car radiator contains 10 liters of a 30% antifreeze solution. How many liters will have to be replaced with pure antifreeze if the resulting solution is to be 50% antifreeze?

Task #2:

$7550 is deposited in an account which pays 7.25% interest, compounded continuously. How long will it take the money to triple?

Task #3:

On the day a person was born, a deposit of $50,000 was made in a trust fund that pays 8.75% interest, compounded continuously. Find the balance on the person’s 35th birthday.

Task #4:

A total of $50,000 is invested in two funds paying 8% and 8.5% interest. The yearly interest is $4150. How much is invested at each rate?