Problem of the Week
Problem A
Babysitting Bonus

Anya agrees to look after her younger brother every day for 1 hour before dinner. Her parents agree to pay her $15 per week, starting in September. If she does a spectacular job, her parents agree that on the first Monday of each month she will get a raise of $2 per week. So far, Anya has done a spectacular job.

Anya's parents have a monthly household budget. In the budget, they estimate how much they will be spending on different things each month. Determine the first month when her parents should estimate spending more than $100 per month for paying Anya to babysit. Justify your answer.