

**SHOW ALL CALCULATIONS IF APPLICABLE  
INCLUDE \$ SIGN**

**Questions for Discussion**

**A.** What are some of the ill effects of smoking?

**B.** Study Figure 1. Imagine that when Jay was 18 years old he decided to delay smoking for one year. How much money did he save in the first year by not smoking?

**C.** How much did Jay earn in interest at the end of one year by not smoking?

**D.** How much had Jay put into savings by age 65?

**E.** How much did Jay have in total savings when he reached age 65?

**F.** Why was the total amount of Jay's savings so much higher than the amount he contributed?

**G.** What conclusions can you draw from the information in Figure 1?