SHOW YOUR WORK

Clovis is a business professor. In 1993 he earned $48,000 and in 1998 he earned $55,000. Isobel flips burgers at Kid Valley. In 1993 she earned $12,000 and in 1998 she earned $16,000.

(a) (3 points) Give a linear model relating Clovis’ salary $y$ to the year $x$.

(b) (3 points) Give a linear model relating Isobel’s salary $y$ to the year $x$.

(c) (4 points) In what year will Isobel’s earnings be one third those of Clovis? How much do each of them earn in this year?