**Practice 4FG**

1. The simple interest *$I* paid on an investment of *$C* is determined by the annual rate of interest *r* (as a percentage) and the duration of the investment, *n* years. The interest is given by the formula:

$$I=\frac{Crn}{100}$$

a) Make n the subject of the formula.

b) Find the time required to generate $1050 interest on an investment of $6400 at an interest rate of 8% per year.

c) Find the time required for an investment of $1000 to double given an interest rate of 10% per year.