You start a painting business by purchasing all the needed equipment for \$15,750. Each job costs you \$80 in paint and brushes. You plan to charge \$600 per job.

How many jobs will it take for you to break-even?



You want to start a business selling sporting goods. In order to do so you will buy a building for \$400,000. <u>Insurance</u> and taxes cost you \$2825 a month. Wages for your workers average \$3500 a month. Utilities for your building average \$840 a month. You predict that you can sell an average of \$20,000 worth of merchandise each month.

m= #months

How many months will it take you to break-even?

ncome  $\frac{ncome}{20,000m} = \frac{400,000 + 2825m}{43500m}$   $m = 32 \mod 143 + 840m$ 

While in college you plan on making money by typing papers for other students. To do this you need to buy a computer and a printer for \$1235. It costs you \$0.70 to type and print each page. You plan on charging \$1.50 per page.

p= #pages

Write and solve a system of equations to find the number of pages you must type in order to break-even.

