Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CMIC 1 – SEMESTER FINAL REVIEW –Linear Equation Questions

1. The local t-shirt company charges $12 for set-up and $5 per shirt to print shirts for the basketball team.
   1. Complete the table below to indicate how much the shirt company will charge for a given amount of shirts.
   2. Write a rule relating NOW and NEXT that shows how much the shirt company will charge.

NEXT =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, starting at \_\_\_\_\_\_\_

* 1. Write the rule in slope intercept form.

y = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Use the rule to determine how much they will charge for the 15 person team.

1. Janitorial assistants at Woodward Mall start out earning $8.50 per hour. However, the $95 cost of uniforms is deducted from the pay that they earn.
   1. Explain how the rule E = 8.50*h* – 95 shows how a new employee’s earnings depend on the number of hours worked.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

* 1. How many hours will a new employee have to work before receiving a paycheck for some positive amount?

*Work:*

More than \_\_\_\_\_\_\_\_\_\_ hours

* 1. How many hours will a new employee have to work to earn a pay of $100 before taxes and other withholdings:

*Work:*

\_\_\_\_\_\_\_\_\_\_ hours