\*Learning Target:

\*Critical Content:

Linear function –

Parent function –

Family of graphs –

Root –

Zeros –

\*

**Solve the following.**1) 2) \*Solve graphically

\*Solve algebraically Step one: Set equal to zero.

Step two: Replace 0 with y

Step three: Graph, it’s in y=mx+b form.

 m = \_\_\_\_\_\_\_\_\_\_\_

b = \_\_\_\_\_\_\_\_\_\_\_

Step four: The solution is the x-intercept.

Solution: x = \_\_\_\_\_\_\_\_\_\_

3) Solve 4) Emily is going to the carnival. The function   
represents the amount of money *m* she has left after *r* rides.   
Find the zero of this function. What does it mean?

\*Solve algebraically.

\*Be careful. When solving graphically, it may provide only an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Solve algebraically to find the \_\_\_\_\_\_\_\_\_\_\_\_ solution.