\*Learning Target:

\*Critical Content:

Linear function –

Parent function –

Family of graphs –

Root –

Zeros –

\*

**Solve the following.**1) $0=\frac{1}{3}x-2$ 2) $3x+1=-2$ \*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 $3x+7=3x+1$ 4) Emily is going to the carnival. The function $m=20-0.75r$
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.