\*Learning Target:

\*Critical Content:

Ex1: Solve $4m-3n=8$ for *m*. Ex1a: Solve $15=3n+6p$ for *n*.

Ex1b: $\frac{k-2}{5}=11j$ for *k*  Ex2: Solve $3x-2y=xz+5$ for *x*

Ex1c: Solve $28=t(r+4)$ for *t*

Literal equation –

Dimensional analysis –

Ex3: The formula for the circumference of a circle is $C=2πr$, where *C* represents circumference and *r* represents radius.
a) Solve the formula for *r* b) Find the radius of the yo-yo.

Ex4: A 10k run is 10 kilometers long. If 1 meter = 1.094 yards, use dimensional analysis to find the length of the race in miles. \*Remember, 1 mi = 1760 yards.

Ex4: A car goes 100ft in 2.8s. What is this in miles per hour?