## Friday, January 25, 2019 - 6th

- Warm-up
- Using what you know about transformations and a parabola, sketch graphs of the following with domain restriction of $\{\mathrm{x} \mid \mathrm{x} \geq 0\}$ in 4 different colors:
- $f(x)=x^{2}$
- $f(x)=2 x^{2}$
- $f(x)=(x+2)^{2}-3 \downarrow$
- $f(x)=-1 / 3 x^{2}$

- Square Root and Cube Root Functions

Go, Boat, Go!
Lesson 8-1 Square Root Functions

## Objectives:

Content: I will graph and describe transformations of the square root function.
Social: I will participate in the lesson.
Language: I will write clear interpretations of the key features of a graph.

## Lesson 8-1

## Square Root Functions

 page 103- Instructions:
- tear pages 103-106 out of your book and store your book under your desk
- get a chromebook and go to desmos on google chrome
- Goal:
- get through The lesson 8-1 practice before the end of $6^{\text {th }}$ period


## Objectives:

Content: I will graph and describe transformations of the square root function.
Social: I will participate in the lesson.
Language: I will write clear interpretations of the key features of a graph.

Friday, January 25, $2019-7^{\text {th }}$

- Warm-up
- Solve each the following for x

$$
(x+2)^{2}=(x+2)(x+2)
$$

$$
\frac{1}{3} \cdot \frac{3}{1}
$$

$$
\begin{array}{rrr}
4 x^{2}-9=0 & (x+2)^{2}+3=12 \\
-9 & =12 \\
\frac{4 x^{2}}{4}=\frac{9}{4} & \sqrt{(x+2)^{2}}=\sqrt{9}= \\
\sqrt{x^{2}}=\sqrt{\frac{9}{4}} & x+2=3 \\
& =\frac{\sqrt{9}}{\sqrt{4}}: \frac{3}{2} & x
\end{array}
$$

- Square Root and Cube Root Functions Go, Boat, Go! Lesson 8-2 Solving Square Root Equations

