

# Warmup:

Simplify.

$$\frac{\sqrt{15}}{\sqrt{80}} \cdot \frac{\sqrt{80}}{\sqrt{80}} = \frac{\sqrt{15 \cdot 80}}{80} = \frac{\cancel{20} \sqrt{3}}{\cancel{80} 4}$$

$$= \frac{\sqrt{3}}{4}$$

$$\begin{aligned} &\sqrt{15 \cdot 80} \\ &\sqrt{5 \cdot 3 \cdot 4 \cdot 20} \\ &\sqrt{5 \cdot 3 \cdot \underbrace{2 \cdot 2}_{4} \cdot 5 \cdot \underbrace{2 \cdot 2}_{4}} \\ &\underbrace{2 \cdot 2 \cdot 5}_{20} \sqrt{3} \end{aligned}$$

$$\frac{3\sqrt{12}}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}}$$

$$\frac{\cancel{3} \sqrt{12 \cdot 3}}{\cancel{3}}$$

$$\frac{\sqrt{12 \cdot 3}}{\sqrt{36}} = \textcircled{6}$$

$$\sqrt{3x+6} = x+2$$

## Today we will practice solving some basic radical equations.

Today's Classwork: Support Grade

You will receive 1 problem at a time.  
After completing each problem, you  
will show me your work and solution.

I will give you the next problem at  
that point.

Today's in class work is 25 points per  
problem.

After completing the  
4th problem, I will give  
you your Homework  
practice for today. You  
will start it in class and  
finish it for Homework!!