A TEN DAY SYLLABUS FOR PRECALCULUS

DAY 1: Teach them that $\frac{a+b}{c}$ is $\frac{a}{c}+\frac{b}{c}$

DAY 2: Teach them that $\frac{a}{b+c}$ is NOT $\frac{a}{b}+\frac{a}{c}$

DAY 3: Teach them that $\frac{x}{\ln(x)}$ is NOT $\frac{1}{n}$

DAY 4: Teach them that you can't solve $\sin(kx)=1$ by saying $x=\frac{1}{\sin(k)}$

DAY 5: Remind them that $\frac{a}{b+c}$ is NOT $\frac{a}{b}+\frac{a}{c}$

DAY 6: Show them a movie of a student sitting in a field, writing $(a+b)^2=a^2+b^2$ and then getting HIT BY A TRAIN

DAY 7: Remind them that $\frac{a}{b+c}$ is NOT $\frac{a}{b}+\frac{a}{c}$

DAY 8: Teach them that if the domain of a function f is the reals, the graph of $y=f(x)$ is not a blank pair of axes, that perhaps they should adjust the "window."

DAY 9: Teach them that $\frac{x}{y+x}$ is NOT $\frac{x}{z}+\frac{y}{z}$

DAY 10: Group work: Bring a trout to class. Have them solve sin(kx)=1, If they get $x=\frac{1}{\sin(k)}$, hit them with the trout. Make it a big trout.