Name: ________________________________

Give an answer. No calculators are allowed.

1. Find the equation of the line going through points \((-1, \frac{2}{3})\) and \((-\frac{2}{3}, -2)\). What is its \(x\) intercept?

2. Rationalize the denominator of \(\frac{h}{\sqrt{x+h} - \sqrt{x}}\).
3. Calculate the $\tan(\theta)$ if $\sin(\theta) = \frac{\alpha}{\beta}$ and $0 \leq \theta \leq \frac{\pi}{2}$.

4. Find all real solutions of

$$\sqrt{x^2 + 9} = 4.$$ 

5. Solve for $x$:

$$|2x - 1| \leq 4$$