

This task is to help me know what you know and how I can help you. Don't worry. Try your best.

Name _____

An equation is shown, where a , b , and c are integers. $y = a|x + b| + c$

Kyle claims that this equation will always have two roots.

Sandy claims that this equation will always have zero roots.

Using integers from -5 to 5 create an equation that supports Kyle's claim and describe the effects of the parameters a , b , and c on the shape and position of the graph.

$$y = \square |x + \square| + \square$$

Using integers from -5 to 5 create an equation that supports Sandy's claim and describe the effects of the parameters a , b , and c on the shape and position of the graph.

$$y = \square |x + \square| + \square$$

Using integers from -5 to 5 create an equation that disproves Kyle's and Sandy's claims and describe the effects of the parameters a , b , and c on the shape and position of the graph.

$$y = \square |x + \square| + \square$$