

Name _____

Date _____

Micah starts out with \$100.00 from his birthday. He spends \$3.00 every time he goes to Dunkin Donuts for breakfast/coffee/donuts. At the end of the month he wants to have at least \$52.00 left so he can spend it at the mall. Using the inequality $100 - 3x \geq 52$ Micah, Jenny, and Patrick all solve this problem to find out how many times he can go to Dunkin Donuts in one month. Critique each answer in the empty table provided below. Explain what each student did and why it is correct or incorrect.

Micah	Jenny	Patrick
$100 - 3x \geq 52$ $\begin{array}{r} -100 \quad -100 \\ -3x \geq -48 \\ -\frac{3x}{3} \geq -\frac{48}{3} \\ x \geq 16 \end{array}$ <p>Micah says that you can go to Dunkin Donuts at least 16 times. So he can go to Dunkin Donuts 16 times or more than 16 times.</p>	$100 - 3x \geq 52$ $\begin{array}{r} -100 \quad -100 \\ -3x \geq -48 \\ -\frac{3x}{3} \geq -\frac{48}{3} \\ x \leq 16 \end{array}$ <p>Jenny says you can go 16 times.</p>	$100 - 3x \geq 52$ $\begin{array}{r} -100 \quad -100 \\ -3x \geq -48 \\ -\frac{3x}{3} \geq -\frac{48}{3} \\ x \leq 16 \end{array}$ <p>Patrick says you can go at most 16 times. So Micah can go to Dunkin Donuts 16 times or less than 16 times.</p>

Micah	Jenny	Patrick

