

Solve the following inequality.  $-7.2z - 15.8 \geq 5.1(1 - z)$

$$-7.2z - 15.8 \geq 5.1(1 - z)$$

$$-7.2z - 15.8 \geq 5.1 - 5.1z$$

$$-7.2z \geq 20.9 - 5.1z$$

$$-2.1z \geq 20.9$$

$$z \leq \frac{20.9}{-2.1}, \quad z \leq -9.952, \quad (-\infty, -9.952] \quad (3 \text{ decimal places})$$