tions,	to	answer	the	following	questions.

1. Solve the pair of simultaneous linear congruences

$$\begin{cases} x \equiv 5 \mod 7\\ x \equiv 10 \mod 13. \end{cases}$$

Quiz 4

Applied Algebra

Instructions Please write your name in the upper right-hand corner of the page. Use complete sentences, along with any necessary supporting calcula-

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$\begin{array}{c} \operatorname{Quiz} 4\\ \mathbf{Applied} \ \mathbf{Algebra} \end{array}$

2. Which of the values $\phi(25)$ and $\phi(27)$ of Euler's totient function is the greater?