

Please do not write in the margins of the page!

Instructions:

- Show ALL your work as specified in the problem. You must show work in order to receive credit.
- You may use a calculator but you may **not** use a cell phone or any other device that can connect to the internet. Having such a device in your eyesight will be result in your paper being collected and you will receive a score of 0 for this quiz.

Simplify the complex fraction by the method indicated.

1) Use any method $\frac{\frac{a+4}{6}}{\frac{16-a^2}{42}}$

2) Use Method 1: simplify numerator and denominator separately, then divide and reduce

$$\frac{\frac{8}{11} + \frac{25}{44}}{\frac{27}{28} - \frac{4}{7}}$$

- 3) Use Method 2: multiply top and bottom by the LCM of all denominators to clear the denominators, then simplify $\frac{\frac{11}{y^2} + \frac{1}{y}}{\frac{121}{y^2} - 1}$