

**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 result in your paper being collected and you will receive a score of 0 for this quiz.

Solve the rational equation for  $x$  by **clearing the denominators**

$$1) \frac{1}{7} - \frac{4}{7x} = \frac{6}{x} + \frac{51}{35}$$

$$2) \frac{1}{8} + \frac{7}{x-3} = 1$$

$$3) \frac{24}{t-6} - \frac{144}{t^2-6t} = -4$$