

YOUR NAME: \_\_\_\_\_

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Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Solve the equation  $|x^2 - 5| = 4$ . (Please, be careful with handling the absolute value.)

2. Perform the division and simplify:

$$\frac{4x - 2}{x^2 - 7x} \div \frac{2x^2 + 13x - 7}{x^2 - 49} =$$

3. Perform the subtraction and simplify

$$\frac{3}{6x^2 - 4x} - \frac{x - 2}{9x - 6} =$$