For full credit, you must <u>show all work neatly</u> and <u>box</u> your final answer.
This Quiz has 4 problems. Please turn page over for other problems.

1. Solve: $\dfrac{-1}{x-2} - \dfrac{-5}{x-2} = \dfrac{2}{x^2 - 4x + 4}$

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2. Solve the inequality: $-3\left|-\frac{1}{6}x + 7\right| \geq -3$

[Please turn over for additional problems]

3. Use the discriminant to determine how many solutions the following equation has: $4x^2 - 4x - 6 = 0$.

4. Solve the equation: $4x^2 - 4x - 6 = 0$.