Simplifying Complex Fractions

Version 2

Name: _____ **Date**: _____ **Score**: _____

Direction: Simplify each complex fraction. Show your solution on the space provided.

1) $\dfrac{x+\dfrac{x}{2}}{x-\dfrac{x^2}{2}} =$

2) $\dfrac{\dfrac{1}{x}-\dfrac{1}{y}}{y-x} =$

3) $\dfrac{\dfrac{1}{x}+1}{\dfrac{1}{x}-1} =$

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Name: _____ **Date**: _____ **Score**: _____

Direction: Simplify each complex fraction. Show your solution on the space provided.

1) $\dfrac{x+\dfrac{x}{2}}{x-\dfrac{x^2}{2}} = \dfrac{3}{2-x}$

2) $\dfrac{\dfrac{1}{x}-\dfrac{1}{y}}{y-x} = \dfrac{1}{xy}$

3) $\dfrac{\dfrac{1}{x}+1}{\dfrac{1}{x}-1} = \dfrac{x+1}{1-x}$