

# Math 2283 - Introduction to Logic

Quiz #2 - 2012.08.24

Solutions

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Determine if the following are sentential functions, designatory functions, or sentences.

1.  $3x + 1 > 4y - 5$

This is a sentential function.

2.  $3x + 1 - 4y + 5$

This is a designatory function.

3.  $\mathbf{A}_x 3x + 1 > 4y - 5$

This is a sentential function.

4.  $\mathbf{A}_y \mathbf{E}_x 3x + 1 > 4y - 5$

This is a sentence.