

# Math 2283 - Introduction to Logic

## Quiz #2 - 2017.01.13 Solutions

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Determine which of the following expressions are sentential functions, and which are designatory functions:

1. the father of  $x$  – designatory function
2. the mother of  $x$  lives in Oklahoma – sentential function
3. the sum of twice a number  $x$  is greater than three times a number  $y$  – sentential function
4. the sum of twice a number  $x$  and three times a number  $y$  – designatory function
5.  $x$  is a snake and is venomous – sentential function