

**Business PreCalculus**    MATH 1643 Section 004, Spring 2014  
**Answer key: Worksheet 25**

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**1-** Domain is  $(-8, \infty)$ .

**2-** Answers:

**a.** 1.

**b.** 10.

**3-** Answers:

**a.**  $\frac{1}{5}^{-1} = 5$ .

**b.**  $e^x = 2$ .

**4-** Answers:

**a.**  $\log_{49} \frac{1}{7} = \frac{-1}{2}$ .

**b.**  $\log_{1/16} \frac{1}{4} = \frac{1}{2}$ .

**5-** Answers:

**a.**  $x = 2$ .

**b.**  $x = \frac{-24}{25}$ .