

Math 32 Quiz 4
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Name: _____

1. Find all numbers x that satisfy the given equation:

$$\log_7(x + 5) - \log_7(x - 1) = 2$$

2. Evaluate the following quantities:

(a) $\log_2(2^{-3})$

(b) $4^{2\log_4(1/4)}$

3. Let $f(x) = 4 + \ln(x - 2)$.

- (a) Find the domain of f .
- (b) Find the range of f .
- (c) Find a formula for f^{-1} .
- (d) Find the domain of f^{-1} .
- (e) Find the range of f^{-1} .