Section 8.3 Solving Logarithmic and Exponential Equations Logarithmic Functions Day 1

Name: _____

Date: _____

Learning Goal 8.1	Solving exponential and logarithmic equations with same base
	and with different bases, including base <i>e</i> .

More Questions

Power Law	Product Law	Quotient Law	Change of Base

1. Solve for *x*. Round your answers to the nearest hundredth.

a.	$2^z = 2500$	b.	$5^{x-3} = 1700$
c.	$8(3^{2x}) = 568$	d.	$6^{3x+1} = 8^{x+3}$

- e. $4(7^{x+2}) = 9^{2x-3}$
- 2. Find the half life of an isotope if 10 grams of a 150 gram sample remains after 21.9 days.