

A

$$\log_4 64$$

1

$$\log_{144} 12$$

2

$$\log_2(-8)$$

3

$$\log_3 \frac{1}{3}$$

4

$$\log_4 \frac{1}{2}$$

5

$$\log_8 8$$

6

$$\log_7 1$$

9

$$\log_{16} 64$$

11

$$\log_2 16$$

7

$$\log_8 4$$

10

$$\log_5 \frac{1}{25}$$

12

$$\log_6 36$$

8

1

$$\ln e$$

2

$$\ln 1$$

3

$$\ln e^2$$

4

$$5^x = 125$$

5

$$27^x = 9$$

6

$$\log(2x+3) = \log 6$$

7

$$\log_5 125 - \log_5 625$$

9

$$\log_2 x + \log_2(x-3) = 2$$

11

$$-8 + \log_2(x+3) = -8$$

8

$$\log_2(12-8x) = 3$$

10

$$2\log_7(-2x) = 0$$

12

$$12(1-4^x) = 18$$

B

8-2 Card Sort
Pre-Calculus

Name _____

Match a card from set A and set B to the solutions provided in the table below.

Card A	Solution	Card B
	-2	
	-1	
	0	
	1	
	2	
	3	
	4	
	$-\frac{1}{2}$	
	$\frac{1}{2}$	
	$\frac{2}{3}$	
	$\frac{3}{2}$	
	undefined	