

Name \_\_\_\_\_

# Percent Increase and Decrease

Show the formula and solve the following problems.

- 1) Carbon dioxide ( $\text{CO}_2$ ) concentrations in the atmosphere increased from approximately 280 parts per million (ppm) in pre-industrial times to 382 ppm in 2006. What is the percent increase in carbon dioxide?
  
- 2) The water level in the Lake Pontchartrain is usually 3 feet. A storm surge caused by a hurricane causes water to surge by  $5\frac{3}{4}$  feet. What is the percent increase of the water level?
  
- 3) Glacier National Park had 150 glaciers more than a century ago. Today there are 35. What is the percent decrease in glaciers?

Now do the problems on the back.....



# Percentage Increase & Decrease



Fill in the gaps...

## Percentage Increase

	Original Amount	% increase	New Amount
1)	56	25%	
2)	6	50%	
3)	5	20%	
4)	8	75%	14
5)	10	90%	
6)	30	70%	
7)	50	2%	
8)	21	100%	

	Original Amount	% increase	New Amount
9)	32		56
10)	24	25%	30
11)	15		18
12)	30		33
13)	150		153
14)	120		126
15)	200		202
16)	20		50

## Percentage Decrease

	Original Amount	% decrease	New Amount
1)	50	30%	
2)	18	50%	
3)	25	4%	
4)	60	35%	
5)	40	15%	
6)	64	75%	16
7)	40	45%	
8)	45	60%	

	Original Amount	% decrease	New Amount
9)	20		19
10)	14		7
11)	90	10%	81
12)	35		21
13)	400		4
14)	50		47
15)	125		115
16)	150		132