

Inv 1.2.1

Name: _____

For each of the following, change the percent into a decimal.

1. 12%

.12

2. 25%

.25

3. 4%

.4

4. 2.5%

.025

5. 1.5%

.015

6. 0.3%

.003

For each of the following, determine the percent change.

7. Birth rate of 2.5% and a death rate of 1.2%

1.3%

8. Birth rate of 3% and death rate of 4.3%

-4%

9. Birth rate of 1.6% and death rate of 0.8%

.8%

10. Birth rate of 0.9% and death rate of 0.7%

.2%

11. For each of the problems in 7-10, write the percent change as a decimal.

7. .013 8. -.04 9. .008 10. .002

12. What will happen to the overall population for each situation in number 7-10, will it increase or decrease?

7. increase 8. decrease 9. increase 10. increase

13. Simplify the following problems.

a. $B + 0.03B$

$1.03B$

b. $N + 0.05N$

$1.05N$

c. $x + 0.2x$

$1.2x$

14. If a population has increased 102% over the past year.

a. What is the percent change?

2%

b. Write this percent increase as a decimal

.02