Name:

## QUIZ 2 - MATH GRADE 10

1. $(5 \%)$ Write as a decimal number $\frac{65}{1000}=\quad \frac{7}{5}=\frac{208}{10}=$

$$
\frac{7}{20}=\quad \frac{3 a}{4 a}=
$$

2. ( $4 \%$ ) Write as a fraction:
$0.00019=$

Perform the operations using fractions only; give your answer as a fraction and as a decimal:
3. $(2 \%) 24.7 \cdot 0.001=$
4. $(2 \%) 10.1 \cdot 1.01=$
5. $(2 \%) \frac{1.4}{0.01}=$
6. $(2 \%) \frac{0.012}{1.4}=$
7. ( $2 \%$ ) Write down the number that is 0.07 units on the Right of -10 : $\qquad$
8. (3\%) Write down the number that is 0.028 units on the Right of -4 : $\qquad$
9. (3\%) Write down numbers that are very close to 1 on its left: $\qquad$ right: $\qquad$
10. (3\%) Write down a number between 7.1 and 7.11: $\qquad$
11. (8\%) Indicate the location of the following fractions on the number line, be as precise as possible:

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\frac{-3}{58}, \frac{200}{41},-\frac{30}{9}, \frac{-34}{17}
$$


12. ( $8 \%$ ) Write 2 fractions located between $\frac{1}{10}$ and $\frac{1}{11}$ : $\qquad$ Simplify: $\frac{3 c}{\left(\frac{2 c}{b}\right)}=$ $\qquad$
Use the best common denominator to find and simplify:
13. $(7 \%) \frac{\left(1+\frac{b}{a}\right)}{a+b}=$
16. $(8 \%) \frac{2}{(x-2)^{2}}-\frac{3}{x(x-2)}=$
14. $(7 \%) \frac{2}{7^{14}}-\frac{15}{7^{15}}=$
17. $(8 \%) \frac{1}{x+3}+\frac{3}{\left(x^{2}-9\right)}=$
15. (6\%) $\frac{b}{a}-\frac{2-b}{a}+b=$
18. $(10 \%) \frac{\left(\frac{1}{a}-1\right)}{\left(a-\frac{1}{a}\right)}=$
19. (5\%) True or False, Show work or explain

$$
\frac{a+b+1}{a}=1+\frac{1}{a}+\frac{b}{a}
$$

20. (5\%) Fill the blank to make the fractions equal: $\frac{8 y}{x}=\frac{}{4 b^{2} x}$
