Name: _____ ME43 Classwork 7

1. Simplify $\frac{6-20}{2}$	6. Solve for x: $\frac{3x}{2}=\frac{1}{5}$	1.
2. Simplify $\lvert -5\rvert - 5$	7. Simplify: $\frac{1}{7}+\frac{-2}{5}$	2.
3. If $r=-2$ and $t=-1$, what is the value of $\lvert r+t\rvert$?	8. Simplify: $16\div\lvert 4-8\rvert\cdot 3$	3.
4. What is the additive inverse of -9?	9. Simplify: $\frac{-4-(-2)}{2-7}$	4.
5. Which equation illustrates the distributive property? (1) $2+(3-4)=(2+3)-4$ (2) $2(3\cdot 4)=(2\cdot 3)4$ (3) $2(3\cdot 4)=2\cdot 3+2\cdot 4$ (4) $2(3-4)=2\cdot 3-2\cdot 4$	10. What is the multiplicative inverse of -4?	5. 6. 7. 8. 9. 10.

11. Simplify: $\left|-2-(-6)\right|+(-3)$

16. Which equation is an illustration of the multiplicative inverse property?
(1) $4 \cdot 1 = 4$
(2) $4 + (-4) = 0$
(3) $4\left(\frac{1}{4}\right) = 1$
(4) $4 + 0 = 4$

12. Simplify: $\frac{w}{x} \div \frac{y}{z}$

17. Express as a single fraction: $5\left(\frac{4}{7}\right)$

13. Write an equation that represents the following sentence:
"Six less than five times a number is equal to seven."

18. Simplify $-\left|9-7\right|$

14. What is the sum of -4 and -1?

19. Find the value of $\frac{2x^2-5}{-8y}$ if $x = 3$ and $y = -1$.

15. What is the product of 35 and -2?

20. Simplify: $\left|-3\right|-\left|5\right|$

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