

NAME: _____

Recommendation: _____

M 7 PRETEST**This pretest will help determine if you are ready to take M 7.***Each problem is worth 1 point.*

1. Write $\frac{63}{99}$ in lowest terms.

12. Evaluate $6 - [6 + (-9)] =$

For problems 2-5, perform the indicated operation and simplify.

2. $\frac{1}{7} + \frac{3}{7}$

13. Write a numerical expression for the following phrase and simplify:

“14 added to the sum of -19 and -4 ”

3. $\frac{1}{2} + \frac{1}{8}$

14. The coldest temperature recorded in Chicago, Illinois, was $-35^{\circ}F$ in 1996. The record low in South Dakota was set in 1936 and was $23^{\circ}F$ lower than Chicago's record low. What was the record low in South Dakota?

4. $\frac{2}{3} \cdot \frac{3}{4}$

5. $\frac{5}{6} \div \frac{1}{6}$

15. Evaluate $\frac{5(-4)}{-7 - (-2)} =$

*For problems 6-8, use Order of Operations to simplify the expressions.**For problems 16-19, simplify the expression.*

6. $24 \div 8 \cdot 3$

16. $-3.5 - 0.5$

7. $\frac{4(5+3)+3}{1-2 \cdot 3}$

17. $\frac{2.4 - 4.8}{2}$

8. $5(3+4 \cdot 2^2)$

18. $-2(8-2^3)$

9. True or false: $-3 < 36 - 6 \cdot 6$

19. Evaluate $3x^2 + 10$ for $x = -2$

10. True or false: $-|-12| \leq -|-15|$

20. The median income in Porter County was \$53,100 in the year 2000, according to the most recent U.S. Census Report. What was 25% of the median income in Porter County?

11. True or false: $0 \geq 4 - 2^2$