

N3CS19**Practice Set 26**

Instructions: Answer each question on loose leaf, quad-ruled (graph paper), headed properly and written in lead-graphite. Remember to fold paper along the center, work exercises in order top to bottom, left column then right column. Staple multiple pages

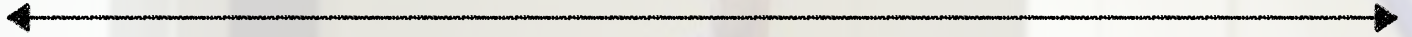


1) Simplify: $6 - \frac{2}{3}(6 - 9x) - 4x$

2) Determine the solution to the equation $12(x + 3) = 4(2x + 9) + 4x$

3) Determine the solution to the equation: $-2(5y - 9) = -3(5y - 7) + 5y$

4) Determine the solution to the equation: $-7(x + 9) = 9(x - 5) - 14x$



Evaluate the following square roots:

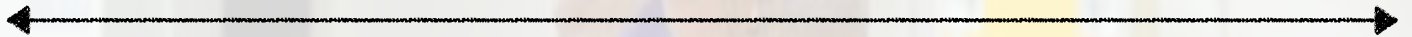
5) $\sqrt{8}$

6) $\sqrt{20}$

7) $\sqrt{128}$

8) Determine the product: $800.5 \cdot (2 \times 10^6) =$

9) Write the following value without exponents: $\frac{(8^4)^2}{8^{11}}$



10) Evaluate: $\sqrt[3]{\frac{8}{27}}$

11) Mark studied a group of 30 whales. If each whale weighed approximately 3.8×10^5 pounds, find the total weight of all 30 whales. Express your answer in scientific notation.

12) Which is a true statement?

A. $1 \times 10^{-1} = 0.01$

B. $1 \times 10^{-5} = 0.000001$

C. $1 \times 10^{-4} = 0.0001$

D. $1 \times 10^{-2} = 0.001$

