

**N3CS19****Practice Set 29**

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

Translate into math statements:

- 1) 6 less a number    2) 6 less than a number    3) 6 less than three times a number  
 4) 6 more than the sum of a number and 7    5) 6 times the sum of a number and 8  
 6) 6 less than one-fourth a number    7) 6 less than the sum of 4 times a number and 9  
 8) 6 less than two-thirds a number is 5 times the sum of the number and 10



- 9) Write as a fraction:  $0.\overline{57}$     10) Write as a fraction:  $0.5\overline{7}$

- 11) Write as positive exponents:  $x^4 \cdot x^6$     12) Write as positive exponents:  $n^4 \cdot n^{-6}$

- 13) Write as positive exponents:  $\frac{w^{-4}}{w^{-6}} =$     14)  $\frac{5}{8} + \frac{5}{6} =$     15)  $\frac{5}{6} \div \frac{5}{8} =$

- 16) Write as the product of its simplest rational and irrational factors:  $\sqrt{98}$

- 17)  $\frac{2.89 \cdot 10^3}{1.7 \cdot 10^5}$ ; write your answer in Scientific Notation and Standard Form.



18. Solve for the unknown:  $13 - n = -4$

19. Solve for the unknown:  $13 - \frac{2}{3}n = -4$

20. Simplify:  $13x - \frac{2}{3}(12 - 9x) + 17$

21. Solve for the unknown:  $\frac{1}{3}(12 - 6x) = 4 - 2x$

22.  $5z + 5(1 - z) = z + 8$

23.  $3(1 - q) + 5q = 2(q + 1)$

24.  $5x + 2(1 - x) = 2(2x - 1)$

