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. GV1 pg. 185, #2
2. Gv1 pg. 185, #4
3. GV1, pg. 185, #6
4. Gv1 pg. 185, #8
5. Gv1 pg. 187 #16
6. Gv1 pg. 187 #20

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7. Gv1 pg. 178 #20
8. Gv1 pg. 178 #22
9. Gv1 pg. 178 #24
10. State the property represented by the following statement:
$$6 + 7x = 7x + 6$$
11. State the property that justifies each step of the following solution:

$$\frac{m}{s} \bullet s$$

$$= m \bullet \frac{s}{s}$$

$$= m \bullet 1$$

$$= m$$

12. $\dfrac{14}{48} = $; write as a decimal rounded to the nearest 100th.

13. $8 - \dfrac{8}{5} = $; write as an improper fraction and a decimal rounded to nearest 10th.

14. Write as a mixed number, reduced: $1.5\overline{6}$

15. Translate into a formula: *Total pressure is the sum of static pressure ('p') and the product of density and the square of velocity.*"

16. During quiz #10 most students completed 30 problems in 65 minutes; what was their rate of seconds per problem, rounded to the nearest second?

17. Write as exponents positive: $\dfrac{16x^7 y^{-4}}{6x^9 y^4}$

18. Write as exponents positive: $-7x^7 y^{-3} \bullet -9y^8 x^{-10}$

19. Multiply, writing exponents positive: $\left(4n^{-3}\right)^{-2}$

20. Solve: $n - \dfrac{4}{9} = -2$; keep your solution reduced and improper where appropriate.

21. Solve: $-\dfrac{5}{3}k = -\dfrac{7}{24}$; write as an improper fraction where appropriate and a decimal rounded to the nearest 10th.

22. Solve: $\dfrac{9}{5}f + 32 = 0$; keep solution reduced and improper where appropriate.

23. Solve: $13 - \dfrac{2}{7}x = -7$; keep solution reduced and improper where appropriate.

24. Solve: $11 - 7(5 - 3x) = -2$; keep solution reduced and improper where appropriate.

25. Solve: $2 - 3(4 + 5n) = 7 - 8n$; keep solution reduced and improper.

26. Solve: $x^2 = 5$
$$x = $$

Practice Set 36

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

27. $x^2 = 625$
$x =$

28. A square has an area of $961m^2$; what is the square's perimeter?

29. $x^3 = -5$
$x =$

30. $x^3 = -1331$
$x =$

31. A cube has a volume of $1331in^3$; what is the cube's surface area?

32. $(7.25 \cdot 10^5) - (8.4 \cdot 10^4) =$; write in scientific notation

33. $\dfrac{1.2 \cdot 10^7}{6.4 \cdot 10^{-8}} =$; write in scientific notation.

34. Estimate the difference: $\sqrt{42} - \sqrt{60}$

35. Solve: $12b - \dfrac{1}{2}(4 - 6b) + 3 = -8$ keep solution reduced and improper

36. Solve: $n - 2(3 - 4n) + 5 = 3n - \dfrac{1}{4}(20 - 24n) + 8 = -7$; keep solution reduced and improper.

37. Find three consecutive odd integers such that the sum of the smallest and 4 times the largest is 61.

38. $A = p + prt$
$t =$

39. Gv1 pg. 151 #18

40. Gv1 pg. 151 # 20

41. Bobby and Larry found that if 3 times a number is decreased by 5 and this difference is doubled, the result is 14 less than twice the number. What is the number?