Spiraled Practice 19

Math 8

Directions: Answ and solutions co	ver each question nsistent and true	in your notebook,	showing work neat,	sequenced, prec	ise, with appropriate	procedures
Addition 1. $7 + 8 =$ 5. $16 - 9 =$	2. 17 + 8 = 6. 26 - 19 =	3. 47 + 8 = 7. 56 - 49 =	4. 77 + 8 = 8. 86 - 79 =			
Factors State all the na 9. 24	atural number fa 10. 40	actors of each w 11. 56	hole number, not ir 12. 96	ncluding one. 13. 144		
Prime Factors State the prime 14. 24	e factors of each 15. 40	number. Write o 16. 56	each factor as a po 17.96	ower. 18. 144		
Integer Operation 19. $48 - 71 =$	ions. 20. 34	4-(-68)=	2138 - 75 =	22. 29	-(-47)=	
Divide. Round 23. 1395112 ÷	to the nearest 1 $\div 8 = 24.4^{\circ}$	00th, if necessa 7874 ÷ 6 =	ry. 25. 58 ÷ 80 =	26. 12	÷14 (CP3's shooti	ing last Monday)
Reduce Fraction 27. $\frac{24}{40}$	ons. 28. $\frac{40}{56}$	29 . $\frac{84}{144}$				
Fraction Operation 30. $\frac{3}{5} + \frac{3}{8} =$ Slope of a Line 34. State and c	ations 31. $\frac{3}{5} - \frac{3}{8} =$ a. describe the slop	32. $10\frac{5}{8} - 6\frac{2}{2}$	$\frac{3}{4} =$	33. $\frac{3}{8} \div \frac{12}{20} =$		
35. Graph in a	coordinate plan	e a line with a sl	ope of $m = -1\frac{3}{4}$	and passes thro	ough the point (0, 4).
Constant Rate	of Change, Pro	portionality	4			
36. Complete t	he following tab	le:				
ln(x) -	2 -1 0	1 2	3 4 5	67		

ln(x)	-2	-1	0	1	2	3	4	5	6	7
out (y)	11			-1						-25

a. State the algebraic rule of the table (*hint:* y = mx + b)

b. Is it linear and proportional? Justify with evidence.

Direct Variation

37. The Circumference of a circle varies directly with the diameter. If a circle with a circumference of 88 cm has a diameter of 28 cm, fine the circumference of a circle with a diameter of 56 cm.

Write in y = mx + b (slope-intercept) form.

38. 4x - 5y = -10, state the slope and y-intercept.

39. Write a linear equation with a slope of $-1\frac{3}{4}$ and a y-intercept of 4.

SP19N3CS14mth8

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Math 8

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Point Slope Form

40. Write a point-slope form linear equation that goes through the points (-2, 2) and (2, -5)

41. Write the point-slope equation from #40 into slope-intercept form.

Standard Form.

42. For the original equation in #38, state the constants 'A', 'B', and 'C.'

Systems of Equations. Solve the system of equations; choose your method!

44.
$$\begin{array}{c} 10x + 3y = 19\\ y = 2x + 5 \end{array}$$
45.
$$\begin{array}{c} y = -\frac{1}{2}x + 5\\ y = 3x - 2 \end{array}$$

Parallel Lines & Transversals

Glencoe pg. 377, #'s 13 through 28, on separate sheets of paper, i.e., NOT in textbook. Constant Rate of Change, Proportionality