

Test Review for 2nd Six Weeks Test 2018

Name:		
Black	Date	

Fill in the blank with the corre	ct vocabulary word.				
1. What word is used to describe the 3 in the expression; $4x + 3y - 7$					
2. A(n) and at least one operation.	ism	nade up of numbers, variables,			
3. The part of an expression th	The part of an expression that does NOT contain a variable is the				
4. A decimal that stops like 0.7	5 is an example of a	decimal.			
5. Part of an expression separated by an addition or subtraction sign is a(n)					
6. A letter that stands for a nu	6. A letter that stands for a number is a(n)				
<u> </u>	must combine all the				
Translate the following verbal p	hrases into algebraic expressions				
8. double the sum of nine and a	8. double the sum of nine and a number				
9. two inches greater than photograph length					
10. the quotient of three and a n	umber				
11. eight less than the product o	f 5 and a number				
12. sixteen increased by four tim	nes the square of a number				
Simplify each algebraic express	ion or fraction below. Circle your	final answer.			
13. $5w - y + 7w - 2y$	1440 - 9b + 32 - (-6b)	15. $5f + 3[2(f-7) + 4]$			
16. $3-9c-7a+2(c-7)+a$	17.9x - (-4 - x) + 18	$18. \ a^2 + 7a - 14 + a^2 - a + 3$			
Conversions: (Simplify all fracti	on answers)				
19. a) F to D: $-2\frac{4}{9}$	20. D to F: 18.076	21. a) F to D: $3\frac{3}{7}$			
b) Terminating or Repeating		b) Terminating or Repeating			

Identicy each as Rational or	Irrational by circling the appropr	late word.
<i>22,</i> √ 2	23. 0.3	$249\frac{5}{6}$
Rational Irrational	Rational Irrational	Rational Irrational
Find the Greatest Common Fi	actor for each set.	
25. 54 and 90	26. 112 and 204	27. 32, 128, and 56
Factor (Be sure to factor th	s GCFI)	
28. 14x – 42	29. 9-21a	$30. 24x^2 + 60x$
Equations – solve for the var	lable. Circle your final solution.	
31. Which of the following has solution of -12?	3 a 32 . $0.2x + 2.8 = -4$	33. 3x + 5 = 8 - 3(4 - x)
a. $-6x = 2$	·	
b. $18 - x = 30$ c. $\frac{x}{-4} = -3$		
d. $x - (-8) = -20$		
$34. \frac{x}{5} - 16 = 4$	35. 9x - (-6) = 39	$36. x + 3\frac{1}{4} = -8\frac{1}{3}$
$37. \ 6x - 5 + x = 2x + 10$	$3842 = -8 + \frac{x}{10}$	$39. \ 4(x+2) + 9 = 2x + 17 + 2x$
3v_26	w±14	12~_2
$40. \qquad \frac{3x-26}{4} = -2$	41. $\frac{x+14}{-6} = -1$	$42. 3x + 2x = \frac{13x - 2}{3}$
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