SUMMER 2 2016 MATH 0409_ EXAM 2

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.





 \leftarrow

Solve.

6) V = $\frac{1}{3}$ Bh for h				6)
A) $h = \frac{B}{3V}$	B) h = $\frac{3B}{V}$	C) h = $\frac{V}{3B}$	D) h = $\frac{3V}{B}$	
7) $x = \frac{W + y + z}{8}$ for y				7)
A) y = 8x - 8w - 8z C) y = x - w - z - 8		B) y = 8x + w + z D) y = 8x - w - z		
Decide if the given number is a solu 8) $3m + 8 = 19; 3$	tion to the given equatior	I.		8)
A) No		B) Yes		
Solve using the addition and multip 9) $11z - 4 \ge 12z + 4$	lication principles.			9)
A) {z z > 11}	B) {z z ≤11}	C) {z z ≥8}	D) {z z ≤ -8}	
Solve the equation.				
10) $\frac{1}{3}(12x - 15) = \frac{1}{4}(20x - 16)$				10)
A) $\frac{1}{20}$	B) 1	C) -1	D) -20	
11) 9x - (3x - 1) = 2				11)
A) $\frac{1}{12}$	B) - ¹ / ₆	C) - <u>1</u> 12	D) $\frac{1}{6}$	
12) $x + \frac{1}{11}x = 36$				12)
A) 11	B) 32	C) 34	D) 33	

5)

Solve the problem.								
13) A high school graduating class is made up of 501 students. There are 149 more girls than boys.								
How many b	boys are in the class?							
A) 501 bo	ys B) 14	19 boys	C) 176 boys	D) 325 boys				
)			
14) Jennifer's annual salary increased from \$29,000 to \$43,000 over the last five years. Find the percent								
Increase in her salary during this time period. Round to the nearest tenth of a percent.								
A) 4.8%	B) 32	2.0%	C) 48.3%	D) 0.5%				
15) Andy left a	ום וום 15% tip ior a meal tha	il cost \$30. What was			15)			
A) \$4.50	D) þ.	59.00	C) \$34.30	D) \$20.00				
Calue the problem. Designed to the present humdred the if preserves								
Solve the problem. Round to the hearest hundredth, if hecessary.								
	R) 91	3 200	() 932 000	D) 9320	10)			
10,752	0, 7	5,200	0) 732,000	D) 7320				
Solve the problem								
17) Recently, the cost of 14.6-oz jars of baby food was \$8.96. What was the cost of one jar?								
A) \$0.32	B) \$().64	C) \$1.92	D) \$1.28				
.,,+	_) +		o) +					
Solve the equation usi	ng the addition prin	ciple						
18) 25 = m - 27					18)			
A) -52	B) 52	2	C) 2	D) -2				
,	,		,					
10, 1 2					10)			
(19) h + $\frac{1}{3} = \frac{1}{3}$					19)			
7			- 1					
A) $\frac{1}{12}$	B) 1		C) $\frac{1}{3}$	D) 4				
Solve Clear fractions or desimals first								
20) $\frac{1}{3}p - \frac{3}{8}p = 5$					20)			
۸) 120	B) _ '	24	() 24	ח_ 120				
A) 120	D) -2	-7	0) 24	D) = 120				
Colve using the multiplication principle								
21) - 4x - 12					21)			
$A) \{x \mid x > x \}$	3} B) {x	x > -3	C) $\{x \mid x < 3\}$	D) $\{x \mid x < -3\}$				
Translate the sentence to an algebraic inequality								
22) The cost is no more than \$521.35.								
A) x < 521	.35 B) x	> 521.35	C) x ≤521.35	D) x ≥521.35	, <u> </u>			