Chapter 5 Exam v2

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

Letting W stand for the set of whole numbers, I the set of integers, I⁺ the set of positive integers, and I⁻ the set of negative integers, perform the indicated operation.

1) Find W – I				1)
A) I+	B) Ø	C) I-	D) I	
Compute or simplify as much a $22 - 5$	is possible.			2)
A) 7	B) -3	C) - 7	D) 3	<i></i>
/-	_) -	_,	_) -	
Find the quotient.				
3) 9212 ÷ -47				3)
A) 196	B) 47	C) -196	D) -47	
0. 1.4				
Simplify.				4)
$\frac{4}{2}$	R) O	()	D) +2	4)
A) 2	B) 0	C) 2	D) ±2	
Add.				
5) 3 + -9				5)
A) -12	B) 6	C) -6	D) 12	·
Compute.				
6) -2 ³				6)
A) -16	B) 4	C) 8	D) -8	
Compute using a calculator				
7) = 7 + 2				7)
A) -5	B) 9	C) 5	D) -9	
,	,	,	,	
For the arithmetic sequence, fin	nd the difference and v	vrite the next two terms.		
8) $c + 2d$, $c + d$, c , $c - d$	ara Dala Dal	D = d = d	common a 2d a 1d	8)
C) $d = d$, next term	s: c – 2d, c – 3d s: c – 3d, c – 4d	D) $d = -d$, next t D) $d = -d$, next t	D) $d = -d$, next terms: $c = 3d$, $c = 4d$	
, ,	,	, , ,	,	
Determine whether the stateme	ent is true, false, or son	netimes true.		
9) If x is positive and y =	9)			
A) True	B) Som	etimes true	C) False	
Perform the indicated computa	tion			
10) 613 + -5				10)
A) -14	B) -2	C) 2	D) 14	,

Find the quotient.					
11) -16 ÷ 2				11)	
A) 2	B) -8	C) 8	D) -2		
Write as an addition problem and find the sum.12) Jack's checking account was overdrawn by \$95. He deposited \$44 into his account. What is the balance in his account?					
A) -\$95 + \$44 = -\$51		B) \$95 + \$44 = \$139			
C) \$95 + -\$44 = -\$51		D) -\$95 + -\$44 = -\$1	139		
Find the additive inverse. 13) ⁻ k				13)	
A) k – 1	B) k	C) $\frac{1}{k}$	D) ⁻ k		
F 1 4					
Evaluate. $(-10 + -2) + -2$				14)	
14) $(16 \div 3) \div 3$	B) 2	() -2	D) - 18	14)	
A) 10	D) 2	C) 2	D) 10		
Compute.				15)	
15) (-2)-	\mathbf{D} -0		D = 1	15)	
A) 8	B) -8	C) 4	D) = 16		
Evaluate.					
16) -36 ÷ (3 – 12)		_		16)	
A) 7	B) -4	C) 4	D) -9		
Factor the expression, then simplify if possible. $170 \cdot 100^{-2}$ some v					
A) $x(10x + y - 1)$	B) $x(10 + y)$	C) $10x^3 + y - 1$	D) $10x^3 + y$	17)	
	D $X(10 + y)$		D) lon · y		
Determine whether the statement	is true, false, or somet	imes true.			
18) If x is positive and $y = -$	x, then xy^2 is positive.			18)	
A) True	B) False	C) S	Sometimes true		
Solve the problem. 19) David's company has to ship 4950 boxes of sprinklers. If a truck can hold 550 boxes, how many truckloads does be need to ship all the boxes?					
A) 9 truckloads	B) 10 truckloads	C) 7 truckloads	D) 8 truckloads		
Simplify					
20) -21				20)	
A) ⁻ 21	B) 0	C) 21	D) ±21		
,	,	/	/		