MAT 050 Practice Test Chapters 1 and 2

All test answers are to be in simplest form. A calculator may be used.

Cell phones, iPads, and other electronic devices with scanning or photo ability may NOT be used. No notes, no books, no homework may be used while taking this test.

The test will include several fill in the blank questions covering voculary from the list below.

	inequality symbols grouping symbols equation opposite	exponent solution absolute value base	term like terms numerator reciprocals	numerical coo unlike terms denominator variable	efficient
Use exponential notation to write the repeated multiplication.			14) _	6(-3) - 2 + 10 -50 ÷ 5	
1)	3 · 3 · 3 · 3				
2)	8 · 8 · 2 · 2 · 2 · 2		15)	7 - 18 · (-	24) ÷ (-4)
Compute t	he square root.		Identify the	following as ar	equation
3)	√ 100		or an express	sion.	
			16) x	(+ 12x - 9	· · · · · · · · · · · · · · · · · · ·
4)	√484		17)	m = 17 - 4m	
5)	$\sqrt{441}$.,,		
5)	$\sqrt{441}$		18)	16 + 9(x - 8)	· · · · · · · · · · · · · · · · · · ·
Evaluate e	ach expression.				
6)	5 · 15 + 7 · 10		Evaluate the	expression for	the given variables $x = 22$ $y = 0$ $z = 2$
	2		19)	x - y + z 101	x = 23, y = 9, z = 3
7)	5 · 10 ²		20) >	x+y for	x = 3, y = -6
8)	9 - 6(-9)				
0)	, (,)		21)	$\frac{2^2 + 6(d)}{2}$ for	c = -16, d = -5
9)	0 ÷ 2 + 3 · 8			3 + (C)	
			22)	$-8 + m \div (n)$ fo	r m = 0 n = -6
10)	-5(6 - 3) - 4 ²		22)		1 III = 0, III = 0
	$\sqrt{2}$		23)	$n \cdot (m - 12)^2$ for	orm=7, n=7
11)	$(\sqrt{7} - 3 + 4)$				
	20(0 4) 12		Dotormino if	the given num	bor is a solution to
12)	$\frac{30(9-0)-12}{2^2}$		the given equation. Show work to validate		
	J - J		your answer of yes or no.		
Evaluate e	ach expression.		<i>7 /</i>)	le 15 a colution	to n + 2 - 10 2
13)	-5 + 8 - (-12) + 8		24)		$10 \mu + 3 - 10$

- 25) Is 14 a solution to p 11 = 3?
- 26) Is -10 a solution to y 3 = -13 ?
- 27) Is 10 a solution to 2(x 5) = 11?
- 28) Is 30 a solution to 3n = 87?
- 29) Is 3 a solution to $84 \div x = 29$?
- 30) Is 4 a solution to $y^3 = 12$?
- 31) Is -3 a solution to -18 + 45 ÷ (y) = 33 ?

Solve the following equations.

32)	b + 9 = 18	b =
33)	29 = 3 + z	Z =
34)	x - 5 = 14	x =
35)	-26 = n - 2	n =
36)	7 = a - (-13)	a =
37)	n ³ = 216	n =
38)	$40 \div w = -5$	W =

Solve the problem.

39) Find the average of the list.
-15°, 3°, -8°, 7°, -9°, 2°, and -1°F