Pre-Algebra Practice Test III-Version Two

Instructions

i) As always, write a title, name, date, and course.

ii) Number each problem, circle the number, and show all work.

iv) Draw a rectangle around your absucts.

iv) Rewrite the equation whenever you perform an operation on both sides to preserve the result of the previous step.

Solve.

$$07-3x = 5x+1$$

$$(2) - 2y + 1 - 8y = 1 + y$$

$$31-2(-Z+4)=4(2Z+1)$$

(4)
$$5x + 2 = 1 - 4x$$

$$6 - 2(-4z+2) = 3$$

①
$$-5-7x = 1-x$$

Evaluate.

(8)
$$\frac{\times}{2} + 1$$
, $\times = -6$

$$(0)$$
 -2Z+4, Z=-10

$$1 + 9, x = -4$$

(2)
$$6+4(3-4x)^2$$
, $x=1$

(15) a)
$$x^3$$
, $x=8$ b) $-y^3$, $y=2$ c) $-z^2$, $z=4$ d) $-x^3$, $x=-5$

(1) a) -5z³, z = -3 b)
$$7x^3$$
, x = -1

①
$$-Z-6z^2+1, z=-2$$

(18)
$$-3(x+5)-2x^{2}+1, x=-3$$

(20) a) Find
$$V_x$$
 if $V_x = -\frac{1}{2}a$, $b = 3$ and $a = -3$.
b) Find A if $A = \frac{1}{2}bh/2$, $b = 10$ and $h = 2$.

(2) a) Find A if
$$A = P + Prt$$
 and $P = 1200$, $r = 0.09$, and $t = 2$.
b) Find F if $F = \frac{2}{5}(C + 32)$ and $C = -17$.

Check the solutions below. If correct, write "True." If incorrect, write "False." Show the work that leads to your answer.

(22)a)
$$-2+X=7X-1, X=0$$
 b) $-5y+y+6=2-3y+y, y=-2$

$$(24) -1 + 2(z-1) - 2(-3z-2) = -3(-3+3z) + 9$$

$$(25) -6(2y+3)+4y-8y+2=5y+3(y-4)+2(2y-3)$$

Pre-Algebra Practi	ce Test III-Version Two	Answers
	(8) -23	
② y=0	(9) [52]	
3 Z=-11/6	$(20a)V_{x} = \frac{1}{2}b)$	A=10
4 x = -1/9	(21) a) A = 1416]	b) F=27
(5) $x = -1/2$	22) a) -2 = -1 [F	alsc
$0 z = \frac{7}{8}$	b) [4 7 6]	False
⑦ X=-I	(23) a) 6 = 6 T	ruc
8 F2	b) 52 = 5.	True
9 5	(24) $Z=1$	
10 34	25 Y = /14	
(D) [II]		
(B) 10		
(13) = 42)		
(4) 35)		
(5) a) 64 b) -8 c)	-16 d) -25	
(b) a) -45 b) 7		
(7) EZI		