Name
Date
Course

Pre-Algebra Practice Test II – Version Two

Instructions

i) As always, write a title, name, date, and course.
ii) Number each problem, circle the number, and show all work.
iii) Draw a rectangle around your answers.
iv) Rewrite the equation whenever you perform an operation on both sides to preserve the result of the previous step.

Solve.

① $x-8=-2$

② $-4=-5y$

③ $-2=z+3$

④ $-5=\frac{x}{7}$

⑤ $-3y+1=1$

⑥ $\frac{z}{3}-4=-10$

⑦ $-8=\frac{x}{2}-1$

⑧ $1-5y=4$

⑨ $-3z+2z+4=4$

⑩ $9=x-8x-4$

⑪ $5=-6-3y-8y$

⑫ $-4=10x-9x+1$

⑬ $4x-8x+x-3+9x+2=8-1-4$

⑭ $-3y+5y+(-10)+1-7y-y=23-9+(-3)$

⑮ $-2-1-3+(-7)+11=2-4z-2z-8z+7+9z$

⑯ $6-x=4$

⑰ $-1=7+11y-10y$

⑱ $\frac{z}{4}-\frac{5z}{6}+2=-1$

⑲ $7=-x-9$

⑳ $\frac{z}{3}+9=9$

㉑ $-\frac{2y}{5}+\frac{y}{6}+2=-1$

㉒ $7-\frac{x}{2}-\frac{3x}{4}+1-2-3+\frac{x}{4}=(-1)+(-1)+5$

㉓ $-7+7y=-7$

㉔ $-5z-10z+9z+2=5$

㉕ $\frac{x}{10}+\frac{x}{5}+(-3)+3x+\left(-\frac{4x}{5}\right)+7=2-8+(-4)+3-8-1$

Pre-Algebra Practice Test II - Version Two Answers

1. $x = 6$
2. $y = 4/5$
3. $z = -5$
4. $x = -35$
5. $y = 0$
6. $z = -18$
7. $x = -14$
8. $y = -3/5$
9. $z = 0$
10. $x = -13/7$
11. $y = -1$
12. $x = -5$
13. $x = 2/3$
14. $y = -10/3$
15. $z = 11/5$
16. $x = 2$
17. $y = -8$
18. $z = 36/7$
19. $x = -16$
20. $z = 0$
21. $y = 90/7$
22. $x = 0$
23. $y = 0$
24. $z = -1/2$
25. $x = -8$