

Psyc 3101, Homework 1
Due Sept. 2

Name: _____ TA: _____ Lab Time: _____

These problems are to help you judge your preparation for this course. Your answers will not be graded. You will receive 100% on this assignment as long as you turn it in. Do NOT use a calculator.

1. $6548 + 3648 = 10196$

13. What is 12% of 150? 18

2. $9436 - 4789 = 4647$

14. $\frac{1}{2} + \frac{1}{3} = 5/6$

3. $9765 \div 21 = 465$

15. Convert 40% to a reduced fraction. $2/5$

4. $|-32| = 32$

16. What is $3x^2 + 2x - 1$ if $x = 3$? 32

5. $(-3)(-6) = 18$

17. Rearrange to write x as a function of y :
 $y = 3x + 4$

7. $5^3 = 125$

$$x = \frac{y-4}{3}$$

8. $\sqrt{49} = 7$

18. Rewrite as a function of x alone, if $y = x + 1$:
 $xy + 2y - 1$

$$x^2 + 3x + 1$$

9. $(3+5)^{4+2} = 64$

19. Solve for x : $3x + 2 = 4x + 5$

$$x = -3$$

10. $4 + 3 * 2 = 10$

20. Solve for x , when $y = -3$: $4x + 3y = 7$

$$x = 4$$

11. $4*5^2 = 100$

21. Solve for x and y together:

$$\begin{aligned} y &= 2x \\ x + 3y &= 7 \end{aligned}$$

12. $\frac{5*(4-1)}{6+2} = 15/8 \text{ or } 1.875$

$$x = 1, y = 2$$