

Math 060
Introduction to Algebra Worksheet

Evaluate:

1. $-24 + 14 =$

2. $(-1/7) + (-3) - 8 - (-3/7)$

3. $(-7/12)(-2/3)$

4. $(-2/7) \div (-2/3)(3/5)$

5. $\frac{16 \div 2 + (6)(-2)}{2 - 2 \div (-2)}$

6. $(1/3)^2 - 1/4(4/5)$

Write in scientific notation:

7. 0.00000196

Write in standard notation:

8. 4.039×10^8

Combine like terms:

9. $3.8x + 2 - 1.8x - 3.5$

10. $10a + 5b - 6c - a - 8b - 3c$

Simply:

11. $(-4)(x + y)$

12. $3(-3a + c + 4b) - 4(2c + b - 6a)$

Solve for the variable:

13. $3.2 = y - 5.4$

14. $4x - 8 = 2x - 15$

15. $-0.5y = 6.88$

16. $2\frac{1}{2}n = 21$

17. $17y - 22 - 29y = 15 - 18y - 21$

18. $3x - 5(x + 2) = -3(x - 5)$

19. The attendance at the Giants game was greater than the attendance at the Jets game. The difference in attendance between the two games was 7235 fans. Use g for the number of fans at the Giants game and j for the number of fans at the Jets game.

20. The second angle of a triangle is triple the first. The third angle of the triangle is 33° larger than the first. Find the degrees of each angle in the triangle.