

Chemistry Math Refresher

Solve each of the following expressions for **x**. **Show all of the steps to solve each problem.**

Your answer may be a number, but it will probably be an expression with variables. **Be neat.**

(x = ?) For an example look at # 7. You may use another sheet of paper also.

1) $3x - 9 = 42$

2) $7y + 12 = 5x$ (if $y = 4$)

3) $13x + 12y - z = 0$ (if $y = 3$ and $z = -3$)

4) $y = mx + b$

5) $Y = (T + 6) \div x$

6) $7.5 FG = 5x + 35$

7) $\frac{18KRx}{F^2} = E$ $x = \frac{EF^2}{18KR}$

**If you understand your algebra this is acceptable.
If not show how you rearranged the variables.
Can you arrive at this answer?**

8) $T = Lx^2S$

9) $\frac{B^2H^5x}{E^4R} = \frac{T^3K}{Y}$

10) Solve for F $C = [5(F - 32)] \div 9$