

Equations worksheet

Name: _____ Pd: _____

Solve for variable. Circle your answers. No work = no credit!

1) $x + 15 = 26$

2) $-4 = -b - 18$

3) $4m = -64$

4) $\frac{x}{7} = 12$

5) $\frac{-2}{3}x = 12$

6) $2x + 10 = -8$

7) $-3x - 10 = 6$

8) $-10 = \frac{-g}{4} + 22$

9) $\frac{h+2}{-5} = -2$

10) $\frac{x+3}{-4} = \frac{5}{2}$

11) $4(2x + 3) = -36$

12) $15n - 12 - 5n = 8$

13) $3n - 8 = 29 + 2n$

14) $-2(3x + 5) = 4(x - 6)$

Simplify... (distribute or CLT)

15) $8x + 3x - (11 - 13) - 4x$

16) $10a - 3(4a + b) + 2(a - 7b)$

17) $-2(2x + 5) + (4x - 6x)$

18) $-20g + 7(3h + 3g) - 14h$

19) The sum of 3 consecutive numbers is 57. What are the numbers?

Define your variable (unknown) _____

Write your equation here: _____ The 3 numbers are..._____

20) Kelly is thinking of a number. Three less than 6 times a number is - 45.

Define your variable (unknown) _____

Write your equation here: _____ Solve your equation to find the missing number

21) Coach Foss's car broke down on the highway. Acme Towing charged \$50 just to come out plus \$30 for each mile they have to tow the car. If Coach Foss paid \$224 to tow the car all together, how many miles was it towed?

22) Mrs. Veazey sold her iPod on E-Bay for \$120.00. That was \$20 over one fourth of what she paid. How much did she originally pay?