**Circle the problems you choose to solve. Solve each equation. Check your answer. *Use additional paper to work problems*. Staple work to this page!**

**PART 1 – Select 5 or more**

|  |  |  |  |
| --- | --- | --- | --- |
| **1.** | 6 + 3*b* = –18 | **2.** | –3 + 5*x* = 12 |
| **3.** | 7*n* + 12 = –23 | **4.** |  |
| **5.** |  | **6.** | 13 = 8 – 5*d* |
| **7.** |  | **8.** | –22 = –8 + 7*y* |

**PART 2 – Select 6 or more**

**9.** 19 – *h –h =* –13 **10.** 14 + 6*a –* 8 = 18 **11.** 25 = 7 + 3*k –* 12

**12.** 5*n –* 16 – 8*n =* –10 **13. –**34 = *v +* 42 – 5*v* **14.** *x –* 1 + 5*x =* 23

**15.** 42*j +* 18 – 19*j =* –28 **16. –**49 = 6*c –* 13 – 4*c* **17. –**28 + 15 – 22*z =* 31

**PART 3 – Select 4 or more**

**18.** 6(3*m +* 5) = 66 **19.** 3(4*y –* 8) = 12 **20.** *h+*8 =*–*2

-3

**21.**  **22. ** **23.**

**PART 4 –Select 6 or more**

**1.** 3*n +* 2 = *–*2*n –* 8 **2.** 8*b –* 7 = 7*b –* 2 **3. –**12 + 5*k =* 15 – 4*k*

**4. –***q –* 11 = 2*q* + 4 **5.** 4*t +* 9 = –8*t –* 13 **6.** 22*p +* 11 = 4*p –* 7

**7.** 17 – 9*y =* –3 + 16*y* **8.** 15*m +* 22 = –7*m +* 18 **9.** 3*x +* 7 = 14 + 3*x*

**PART 5 – Select 3 or more**

**10.** 7(*h +* 3) = 6(*h –* 3) **11. –**(5*a +* 6) = 2(3*a +* 8)

**12. –**2(2*f –* 4) = –4(–*f +* 2) **13.** 3*w* – 6 + 2*w =* –2 + *w*

**14. –**8*x –* (3*x +* 6) = 4 – *x* **15.** 14 + 3*n =* 8*n –* 3(*n–* 4)

**PART 6 – Word Problems. Complete 3 or more. Write an equation to model each situation. Then solve the equation.**

1. General admission tickets to the fair cost $3.50 per person. Ride passes cost an additional $5.50 per person. Parking costs $6 for the family. The total costs for ride passes and parking was $51. How many people in the family attended the fair?
2. Chip earns a base salary of $500 per month as a salesman. In addition to the salary, he earns $90 per product that he sells. If his goal is to earn $5000 per month, how many products does he need to sell?
3. A pizza shop charges $9 for a large cheese pizza. Additional toppings cost $1.25 per topping. Heather paid $15.25 for her large pizza. How many toppings did she order?
4. A movie club charges a one-time membership fee of $25 which allows members to purchase movies for $7 each. Another club does not charge a membership fee and sells movies for $12 each. How many movies must a member purchase for the cost of the two clubs to be equal?