***Lesson 2-3d Consecutive Integer Equations Homework***

***Must show all work + let statements***

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| **1** | Find two consecutive integers whose sum is 61  **30, 31** | **2** | Find two consecutive integers whose sum is -17  **-9, -8** |
| **3** | Find three consecutive integers whose sum is 48  **15, 16, 17** | **4** | Find three consecutive integers whose sum is -57  **-20, -19, -18** |
| **5** | Find three consecutive even integers whose sum is 156  **50, 52, 54** | **6** | Find three consecutive even integers whose sum is -60  **-22, -20, -18** |
| **7** | Find three consecutive odd integers who sum is 33  **9, 11, 13** | **8** | Find three consecutive odd integers who sum is -105  **-37, -35, -33** |
| **9** | Find four consecutive odd integers whose sum is 112  **25, 27, 29, 31** | **10** | Find four consecutive even integers whose sum is 60  **12, 14, 16, 18** |
| **11** | \*\*Challenge\*\* Three consecutive even integers such that the sum of the first & the third is 40  **19, 20, 21** | **12** | \*\*Challenge\*\* Four consecutive integers such that the sum of the second and the fourth is 132  **64, 65, 66, 67** |

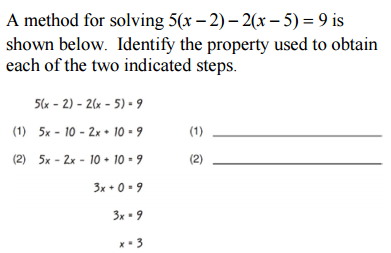


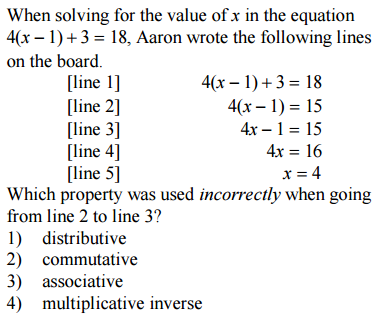
13.) 7th Grade: Inequalities (Multiple Choice)

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| **WORD PROBLEM** | **MULTIPLE CHOICE** | Solve/Graph Inequality below |
| Tracy has $35 to buy comic books and to pay for a movie ticket. Each comic book costs $3. The movie ticket costs $10. Which inequality can be used to determine how many comic books, b, Tracy can buy? **B** |  | **b ≤ 8⅓ or**  **b ≤ 8**  **(don’t forget to switch the sign when dividing a negative)** |

14.) 7th Grade: Proportional Relationships

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| **WORD PROBLEM** | **MULTIPLE CHOICE** | Solve 🡪 Show all work |
| A box of sunflower seeds contains ***p*** packets. Each packet of sunflower seeds contains ***s*** seeds. Which equation can be used to find the number of sun flower seeds in a box, ***b***? **C** |  | 1. If there are 100 seeds in each packet, and there are 5 packets, how many seeds are in the box?   ***500***   1. If there are 1200 seeds total and 60 packets, how many seeds are in each packet?   **20** |

**REGENTS PREP: Identify Properties**

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**15.) 16.)**