Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**GREEN Chapter 7 Practice 2**

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| **Write an equation to match the word sentence.** (1pt each)  1) The sum of a number *x* and 5 is 19. | Answers  1) \_\_\_\_\_\_\_\_\_\_\_ | |
| 4) 50 is 30 less than a number *x* | 4) \_\_\_\_\_\_\_\_\_\_\_ | |
| **Solve the equation.** (2pts each)  5) e – 5.6 = 17.7 | 5) \_\_\_\_\_\_\_\_\_\_\_ | |
| 6) | 6) \_\_\_\_\_\_\_\_\_\_\_ | |
| 7) 4g = 64 | 7) \_\_\_\_\_\_\_\_\_\_\_ | |
| 8) 30 = | 8) \_\_\_\_\_\_\_\_\_\_\_ | |
| **Tell whether the ordered pair is a solution of the equation.** (1pt each)  9) y = x + 15 (2, 13) | 9) \_\_\_\_\_\_\_\_\_\_\_ | |
| 10) y = 4x (8, 87) | 10) \_\_\_\_\_\_\_\_\_\_ | |
| Write and graph an equation in two variables that shows the relationship between time and distance.  11) 2 miles per minute  TA: C:\replacearts\Green Assessment Book\Green Chapter 7 AB\Arts\PNGs\mscc6_ab_0700_05.png | 11) \_\_\_\_\_\_\_\_\_\_ | |
| **Write the word sentence as an inequality.** (1pt each)  12) A number *h* is least 30. | 12) \_\_\_\_\_\_\_\_\_\_ | |
| **1**4) Triple a number n is less than 12. | 14) \_\_\_\_\_\_\_\_\_\_ | |
| **Graph the solutions of each inequality**. (1pt)  16) p ≥ 5  TA: C:\replacearts\Green Assessment Book\Green Chapter 7 AB\Arts\PNGs\mscc6_ab_0700_06.png | 16) see left | |
| 17) q < –15  TA: C:\replacearts\Green Assessment Book\Green Chapter 7 AB\Arts\PNGs\mscc6_ab_0700_06.png | 17) see left | |
| **Solve the inequality, then graph.** (2pts)  20) u – 8 ≤ 21  TA: C:\replacearts\Green Assessment Book\Green Chapter 7 AB\Arts\PNGs\mscc6_ab_0700_06.png | 20) \_\_\_\_\_\_\_\_\_\_ | |
| 21) < 11  TA: C:\replacearts\Green Assessment Book\Green Chapter 7 AB\Arts\PNGs\mscc6_ab_0700_06.png | 21) \_\_\_\_\_\_\_\_\_\_ | |
| 23) A disc will hold up to 200 minutes of music. The songs on the disc are 24 minutes long altogether. Write and solve an inequality to find how many more minutes of music you could add to the disc.  Inequality: | 23) see left | |
| 24) An acting class divides into 7 teams that each have at most 5 students.  a. Write and solve an inequality to represent the number of students in the class.  Inequality:  b. Each team has at least three students. Could there be 50 students in the class? Explain why or why not. |  | |
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