**Math 6 – Chapter 2 Quiz A Study Guide** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2-1, 2-2, 2-3

 Date \_\_\_\_\_\_\_\_\_\_



**Evaluate each expression for the given value of the variables. Show all work, including your substitution**

1) r +8 for r = 5 2) t – 7 for t = 23 3) 5p for p = 13

4) $\frac{c}{8}$ for c = 80 5) 4h + 2 for h = 3 6) 4x² for x = 3

7) When traveling to Europe, Jessica converts the temperature given in degrees Celsius to a Fahrenheit temperature by using the expression $9x÷5+32$, where $x$ is the Celsius temperature. Find the temperature in degrees Fahrenheit when it is 15°C.

**Evaluate each expression to find the missing values in the tables. Show all work, including your substitutions.**

8) 9)

|  |  |
| --- | --- |
| x | 4x |
| 50 | 200 |
| 40 |  |
| 100 |  |

|  |  |
| --- | --- |
| n | 2n - 3² |
| 10 | 11 |
| 8 |  |
| 5 |  |



10) z plus 7 11) 8 subtracted from n

12) the sum of 12 and k 13) 5 take away 9

14) The product of 4 and d 15) 8 less than w

16) Take away 2 from j 17) x to the fifth power

18) y divided by 15 19) 53 added to w

20) 3 times the quantity of x plus 1 21) The quotient of x and 3 plus 5



**Write an expression for the missing value in each table.**

22) 23)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Position | 1 | 2 | 3 | 4 | n |
| Term | 3 | 6 | 9 | 12 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Position | 1 | 2 | 3 | 4 | n  |
| Term | 3 | 4 | 5 | 6 |  |

24) 25)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Position | 1 | 2 | 3 | 4 | n |
| Term | 5 | 9 | 13 | 17 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Position | 1 | 2 | 3 | 4 | n |
| Term | 1 | 3 | 5 | 7 |  |

26) 27)

|  |  |
| --- | --- |
| Games | Players |
| 3 | 12 |
| 4 | 16 |
| 5 | 20 |
| n |  |

|  |  |
| --- | --- |
| Bicycles | Wheels |
| 1 | 2 |
| 2 | 4 |
| 3 | 6 |
| b |  |

Things I should do before a test or quiz.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_