# Chapter 1 - Sample Test

**Chapter 1 - Mathematics As A Living**

| | | | ANSWERS |
|---|---|---|---|
| 1. | Section 1.9 | Under the operation of subtraction, if q represents a number, then what number subtracted from q gives a difference equal to q? | 1. _____ |
| 2. | Section 1.1 | Translate into mathematical symbols.  The sum of five and p is divided by t. | 2. _____ |
| 3. | Section 1.6 | Write as a percent:  .045. | 3. _____ |
| 4. | Section 1.3 | Find the difference:  24 - 58. | 4. _____ |
| 5. | Section 1.2 | Using >, =, or <, compare -14    4. | 5. _____ |
| 6. | Section 1.2 | Draw and Locate on a number line, the points -2, 3, 0 | 6. |
| 7. | Section 1.1 | Identify the variables:  $2x^2 - 4x + 6$ | 7. _____ |
| 8. | Section 1.3 | Find the sum:  (-3) + (12) + (-6). | 8. _____ |
| 9. | Section 1.8 | Which property is suggested:  a(b + c) = ab + ac | 9. _____ |
| 10. | Section 1.6 | Using <, =, or >, compare - 3/4     - 1/2 | 10. _____ |
| 11. | Section 1.5 | Write the prime factorization of 126. | 11. |
| 12. | Section 1.8 | What property of numbers allows us to multiply two numbers in any order? | 12. _____ |
| 13. | Section 1.8 | What property of numbers allows us to add two numbers in any order? | 13. _____ |

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| | | | ANSWERS |
|---|---|---|---|
| 14. | Section 1.4 | Find the product: (-4)(3)(-5) | 14. _____ |
| 15. | Section 1.4 | Determine the quotient: (-40)/(5). | 15. _____ |
| 16. | Section 1.6 | A recent survey was conducted that estimated the number of unemployed people to be 10% of the total population. If there are 320 million people, how many are unemployed? | 16. _____ |
| 17. | Section 1.10 | The graph found below shows the number of students who have graduated but not been able to find a job. Estimate the highest number of students that are unemployed.  | 17. _____ |
| 18. | Section 1.7 | Find the product: (1/4)(-24) | 18. _____ |
| 19. | Section 1.7 | Find the quotient: (-4/5) ÷ (25/26) | 19. |
| 20. | Section 1.7 | Find the sum: 12/5 + 7/10 | 20. _____ |
| 21. | Section 1.7 (Optional) | Find the difference: 3/4 - 5/6 | 21. _____ |

# Chapter 1 - Sample Test

**Chapter 1 - Mathematics As A Living**

Chapter 1 of this Algebra Math Book has 10 Sections.

For a complete list of the objectives in Chapter 1, please see

## Chapter 1 Objectives