**EXAM REVIEW**

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| 1. Evaluate  2. The expression written in power form is:3. Simplify the following expressions using power rules: a)  b)   c)  4. The equivalent of  as a power with base 2 is:5. Simplify  6. Expand  7. Write the coefficient of the second term in the polynomial  8. The degree of the expression  is 9. If  then the value of is: 10. If  then the value of  is: 11. If  then the value of  is:  | 12. Write an algebraic expression to represent twice a number decreased by three.13. For the line : a) the slope is  b) the y-intercept is  c) the slope of a perpendicular line would be: 14. All horizontal lines have a slope of 15. All lines that pass through the origin have a y-intercept of16. Does the point  lie on the line ? 17. A rectangular prism has . Find the volume.18. A triangle has two interior angles equal to  and . Find the measure of the third interior angle. 19. Evaluate. Leave your answer as a fraction in lowest terms (no decimals). a)   |

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| 1. Solve for : 2. Expand and simplify.  3. Determine the x-intercept of the line 4. Calculate the slope of a line passing through and.5. Timberlane Athletic Club offers gym memberships for $70 a month with an initiation fee of $250. Show the equation that represents the total cost, C, of joining the gym where m represents the number of months. | 1. Solve.

2. Solve the following equation.  3. Find the dimensions of a rectangle with a perimeter of 240 m, if the length is 4 m longer than the width.4. A vending machine contains $27.70 made up of dimes and quarters. If there are 199 coins in all, how many dimes and quarters are there?5. Determine the equation of the line in slope y-intercept form which passes through  and . |