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| --- | --- | --- |
| Determine which of the following ordered pairs are solutions to the function f(x) = 2x2 - 2. Write YES or NO for each one. Show your work.  1. (0,2)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  2. (3, 16)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  3. (-3,16)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | State the domain. State the range. Determine if the relation represents a function. Explain    Domain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Function:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Explanation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Identify the domain and Range for the graph. Use interval notation to write your answer. |
| Solve:  2(4 - 2*r*) = - 2(*r* + 5) | **Evaluate the expression for c = –3 and *d* = –6.**  –*c – d* | **Solve**  2*n* + 3*n* + 7 = –41 |
| Determine whether the relation is a function using a mapping diagram  {(11,-2), (12, -1), (13,-2), (20,7)} | Evaluate the function rule f(x)=2x- 4 to find the range of the function for the domain {-3,0,2} | |  |  | | --- | --- | | **X** | **Y** | | **0** | **20** | | **5** | **30** | | **10** | **40** | | **15** | **50** | | **20** | **60** |   Linear? Yes No  m = \_\_\_\_\_  y-intercept = \_\_\_\_\_  equation y = mx + b:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Jenna sells highlighters for $1.50. Her profit for each highlighter she sells is $0.50. Her profit can be represented by the function rule P(x) = 0.50x, where x represents the number of highlighters sold and P(x) represents her total profit. How much profit does Jenna make if she sells 25 highlighters? 50 highlighters? 100 highlighters? | Graph y= 1/3x +2  http://www.pleacher.com/mp/mgifs/gifs2/grapha.jpg | **Amanda sells math themed t-shirts and math themed hoodies to her classmates. A t shirt costs $10.00 each and the hoodies cost $20.00 each. Write an equation in standard form to relate number of t-shirts and the number of hoodies Amanda must sell to earn $2000.00. If Amanda sells 60 t-shirts, how many hoodies must she sell in order to reach her goal?** |