On a separate sheet of paper answer these questions. Use your notes from the front side to help with this HOMEWORK!

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Identify the domain and range:   |  |  | | --- | --- | | x | y or \_\_\_\_\_\_\_ | | 4 | -10 | | 3 | -8 | | 2 | -16 | | 1 | -5 | | Evaluate the following functions:  f(x) = 6x + 2, what is f(-2); what is f(0)  f(x) = -15x, what is f(10); what is f(-10)  f(x)= x² + 100, what is f(2); what is f(7) |
| Identify the domain and range: | Identify the domain and range: |
| Identify the domain and range:  {(-2, -4), (-1, -1), (0, 0), (1, -1), (2, -4)} | Are these relations functions?  B)  A)  {(5, 3), (2, 3), (6, 3), 1, 3)} |
| Are these relations functions?  B)  A)   |  |  | | --- | --- | | x | f(x) | | 10 | 50 | | 10 | 60 | | 20 | 70 | | 30 | 80 | | Are these relations functions?  B)  A)  x  y  1  2  3  1  2  3 |