**Find the range of each function for the given domain.**

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| 1. |  R= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | $$g(x)= -2x -1 ; D=\{-3, -2, 5\}$$ |
| 2. |  R= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | $$g(x)=2x^{2}-6 ; D=\{-3, -4, 5\}$$ |
| 3. |  R= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | $$f(x)=(x-2)^{2} ; D=\{-4, 0, 4\}$$ |

If $f(x)=3x-1,$ and $g(x)=x^{2}+1$, find the following:

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| 4. | $f(3)=$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 5. | $g(3)=$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 6. | $f(-1)+g(4)=$\_\_\_\_\_\_\_\_\_\_\_\_\_ | 7. | $g(-4)+f(-2)=$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

For $g=\{(-5,2), (-4,-1), (3,-8), (-2,0), (4,-9)\}$find the indicated values.

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| 8. | $g(-4)=$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 9. | $g(4)=$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 10. | $g(x)=-1, x=$\_\_\_\_\_\_\_\_\_\_ | 11. | $g(x)=2, x=$\_\_\_\_\_\_\_\_\_\_ |

Find the following:

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| 12. | Ordered pairs: D=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_R=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Function? \_\_\_\_\_\_\_\_\_\_\_\_ |  |

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| 13. \_\_\_\_\_\_\_\_\_ |  |