Math 8 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Review: Intro to Functions Date \_\_\_\_\_\_\_\_\_\_

**Consider the relation f defined by {(7, 5), (1, -1), (3, 2), (7, 2)} for problems 1-5.**

1. Name the domain. 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Name the range. 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Is this relation a function? 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Explain your answer. 4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Create a mapping of the relation. 5.

**Use the functions** $f\left(x\right)=3x-7 and g\left(x\right)= -4x$ **to answer problems 6-8.**

1. $f(6)$ 6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. $g\left(-5\right)$ 7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. $f\left(-1\right)+ g(5)$ 8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Determine whether each relation is a function. Write ‘yes’ or ‘no’ in the blank.**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ 10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_



|  |  |
| --- | --- |
| x | f(x) |
| -3 | 4 |
| -4 | 1 |
| -3 | 0 |
| 5 | 1 |
| 8 | 4 |

