# Relation 1

| Input: \_\_\_\_\_ | Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Output: \_\_\_\_\_ |
| --- | --- | --- |
| triangle | **3** |
| square | **4** |
| hexagon | **6** |
| rectangle | **4** |
| octagon | **8** |

# Relation 2

| Input: \_\_\_\_\_ | Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Output: \_\_\_\_\_ |
| --- | --- | --- |
| a | **1** |
| m | **2** |
| i | **1** |
| t | **2** |
| y | **1, 2** |

# Relation 3

| Input: \_\_\_\_\_ | Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Output: \_\_\_\_\_ |
| --- | --- | --- |
| 5 | **–10** |
| -3 | **6** |
| 2 | **–4** |
| –1 | **2** |
| 0 | **0** |

# Relation 4

| Input: \_\_\_\_\_ | Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Output: \_\_\_\_\_ |
| --- | --- | --- |
| 2 | **4** |
| 4 | **16** |
| 5 | **25** |
| 0 | **0** |
| –1 | **1** |

# Relation 5

| Input: \_\_\_\_\_ | Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Output: \_\_\_\_\_ |
| --- | --- | --- |
| 3 | **3** |
| 4 | **2, 4** |
| 5 | **5** |
| 6 | **2, 3, 6** |
| 7 | **7** |

# Relation 6

| Input: \_\_\_\_\_ | Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Output: \_\_\_\_\_ |
| --- | --- | --- |
| –1 | **–1** |
| 3 |  |
| –2 |  |
| 2 |  |