Polynomial:

Polynomials are named according to their degree and number of terms

|  |  |  |
| --- | --- | --- |
| Degree | Name  | Example |
| 0 |  |  |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5+ |  |  |

|  |  |  |
| --- | --- | --- |
| Terms | Name | Example |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4+ |  |  |

Terms are always separated by \_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_.

Name the following polynomials by their degree and number of terms.

1. $9b^{3}-7b^{2}+5b$ 5. $4a^{3}+5a^{4}+2+10a^{5}-a$

2. $-8$

3. $2x-25$

4. $14z-8z^{2}-9$

Write a polynomial that fits the given description.

6. A cubic binomial

7. A quartic trinomial

8. A linear monomial

9. A sixth degree polynomial with 4 terms