Homework 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Due 10 September

Accepted late until 17 September

Turn in any scratch work!

1. Fill out this table

|  |  |  |
| --- | --- | --- |
| Monomial | Coefficient | Degree |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

1. Fill out this table

|  |  |  |
| --- | --- | --- |
| Polynomial | Coefficients | Degree |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

1. Add these polynomials and combine like terms
2. Subtract these polynomials and combine like terms
3. Multiply these polynomials and combine like terms
4. Use the difference of squares formula to simplify the following.
   1. (x-10)(x+10) =
5. Use the squares of binomials formula to simplify the following.
   1. (x+100)^2 =