|  |  |
| --- | --- |
| Find the degree of each polynomial1. $3x^{4}+x^{16}$
2. $14mn^{2}-mn^{5}+5$
 |  |
| Rewrite in Standard Form1. $8x-15-3xy^{2}+4y^{7}$
2. $-2x^{2}+25-3+7x^{2}-16y^{6}$
 |  |
| Simplify the radical expressions$$5. \sqrt[3]{125y^{6}}$$$$6. \sqrt{36x^{8}}$$ |  |
| Add the polynomials7. (3x+6-15$x^{2})+(4x-10-12x^{2})$8. (3y-6-7$y^{3})+(x+15-12y^{3})$ |  |
| Subtract the polynomials9. (2x-5-16$x^{2})-(4x-10-14x^{2})$ |  |
| 10. (13$y^{4}+3y^{2}-7)-(4x-10-12y^{2})$ |  |