|  |  |
| --- | --- |
| **with a positive leading coefficient** | **with a negative leading coefficient** |
| positive leading coefficient | negative leading coefficient |

Even degree polynomials

|  |  |
| --- | --- |
|  |  |

Odd degree polynomials

|  |  |
| --- | --- |
| **with a positive leading coefficient** | **with a negative leading coefficient** |
| [http://images.flatworldknowledge.com/redden/redden-fig03_x089.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCLvF2prCocgCFZLggAod4vEJ_Q&url=http://equizshow.com/print/282&psig=AFQjCNFshwD4CaZ4CntmBiK9P35h_Lji3w&ust=1443797063472449) | [http://images.flatworldknowledge.com/redden/redden-fig03_x094.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCLKMwODBocgCFcLOgAodV3INcw&url=http://catalog.flatworldknowledge.com/bookhub/128?e%3Dfwk-redden-ch03_s03&psig=AFQjCNFshwD4CaZ4CntmBiK9P35h_Lji3w&ust=1443797063472449) |
|  |  |