6.4 Factoring Part 1

**Factor the polynomial**

|  |  |  |  |
| --- | --- | --- | --- |
| 1.) | x3 + 64 | 2.) | 125x3 – 8 |
| 3.) | 2x3 + 54 | 4.) | 81x3 + 3 |
| 5.) | x3 – 2x2 + 4x – 8 | 6.) | 2x3 – x2 + 8x – 4 |
| 7.) | x3 + 2x2 – 25x – 50 | 8.) | 2x3 + 4x2 – 3x – 6 |