CW # 7 5.6 Factor Theorem, Factoring by Grouping , and Sum & Difference of cubes

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Determine if the given binomial is a factor of the polynomial P(x).

|  |  |
| --- | --- |
| 1. (x + 1) for   P(x) = | 1. (x – 2) for   P(x) = |
| 1. (2x – 4) for   P(x) = | 1. (x – 8) for   P(x) = |

Factor each expression

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| --- | --- | --- |
|  |  |  |
| 1. 125+ |  |  |