

Progress Check: Synthetic Division and Remainder Theorem (HN)

Name: _____

1. Use Synthetic Division and the given factor to factor the polynomial completely.

$$3x^3 + 22x^2 + 51x + 36; (x + 3)$$

2. Determine $P(-2)$, if $\frac{P(x)}{x+2} = x^3 - 4x^2 + 12x - 23$ R 47

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