

Name: _____
PCH

Date: _____
Ms. Loughran

Do Now:

Factor each of the following completely.

1. $x^6 + 5x^5 - 5x^4 - 25x^3 + 4x^2 + 20x$

2. $4x^8 - 61x^4 + 225$

3. $(5x - 6)^2 - (4x - 3)^2$

4. $3x(x + 2)^{\frac{1}{3}} + 4(x + 2)^{\frac{2}{3}}$