Math 4 Honors Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lesson 4-7 Learning CheckDate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In this learning check, you will be assessed the following learning goals:

* *I use can use De Moivre’s Theorem to calculate powers of complex numbers.*
* *I can find nth roots of complex numbers using the Complex nth Roots Theorem.*

1. Use DeMoivre’s Theorem to find the exact value of . Write your answer in **standard form**.

2. Find the 5th roots of 625*i.* Leave your answers in **polar form**.

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