

**Math 121****Quiz 8**

Justify all answers with neat and organized work. Clearly indicate your answers.  
10 points possible.

1. (5 pts.) Divide by **synthetic division**.

$$(2x^3 - 7x^2 + 5) \div (x - 3)$$

2. (5 pts.) Divide by **synthetic division**.

$$\frac{x^3 + 216}{x + 6}$$