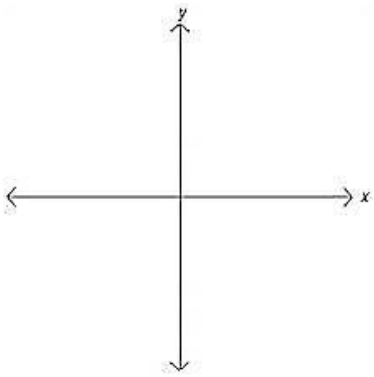
Pre-Calculus Name:

Chapter 2 Quiz 2, Version A Date: Period:

1. Sketch the graph of the polynomial $y = -x^2(x-4)^3(x+3)$.



2. Divide $x^3 - 12x^2 + 41x - 42$ by $x - 2$ using synthetic division.

3. Divide $x^3 - 12x^2 + 41x - 42$ by $x - 2$ using polynomial division.

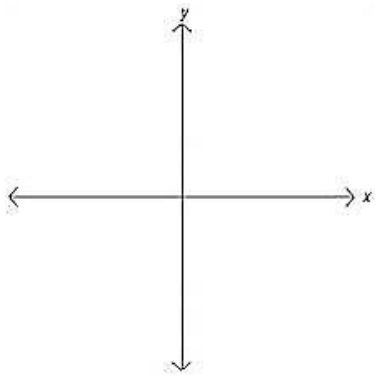
4. Use division to find $f(6)$ if $f(x) = 4x^3 - 9x + 4$.

5. #4 is an application of which theorem: Remainder Theorem Factor Theorem

Pre-Calculus Name:

Chapter 2 Quiz 2, Version B Date: Period:

1. Sketch the graph of the polynomial $y = -x^3(x+4)^2(x-3)$.



2. Divide $x^3 - 12x^2 + 41x - 42$ by $x - 3$ using synthetic division.

3. Divide $x^3 - 12x^2 + 41x - 42$ by $x - 3$ using polynomial division.

4. Use division to find $f(-4)$ if $f(x) = 4x^3 - 9x + 4$.

5. #4 is an application of which theorem: Remainder Theorem Factor Theorem