Name	Period	Date
Ms. Schmidt		Pre-Calculus

Bi-Weekly Homework Quiz 11

This is a weekly homework quiz that will be given every week and is due back the following Monday.

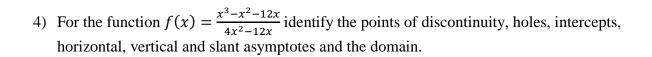
This quiz is due back: **February 5th, 2018**

To receive full credit, all work must be shown. Any correct answer without work shown will receive only 1 point.

1) Solve:
$$216^{2x+3} = \left(\frac{1}{36}\right)^{-3n+1}$$

2) Given the function,
$$f(x) = 2x^2 - x + 3$$
, evaluate $\frac{f(x+h) - f(x)}{h}$.

3) Find the roots by completing the square: $2x^2 - 8x + 1 = 0$



5) Divide and state if the given binomial is a factor of the given polynomial. $(8m^4-59m^3-40m^2+9)\div(8m+5)$

$$(8m^4 - 59m^3 - 40m^2 + 9) \div (8m + 5)$$