Name	Period	Date
Ms. Schmidt		Pre-Calculus

Weekly Homework Quiz 4

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

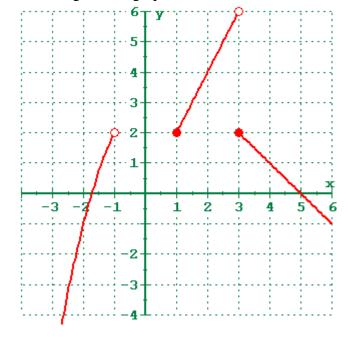
This quiz is due back: $\underline{October\ 23^{rd}\ ,\ 2017}$

To receive full credit, all work must be shown. Any correct answer without work shown will receive only 1 point. Each question is worth 4 points.

1) Find the middle term in the expansion $(2y^3 - 4)^6$

2) Factor completely: $u^4 - 7u^2v^2 + 6v^4$

3) Find the domain and range of the graph [in interval notation]:



b. Algebraically, find the domain of $h(x) = \frac{1}{\sqrt{2x-8}}$. Express your answer in interval notation.

5) Find the difference quotient, $\frac{f(x+h)-f(x)}{h}$, $h \ne 0$, in simplest form for $f(x)=2x^2-3x+1$.