Quiz8, MAT 1375 Professor Chiu

ID:_____   Name:_____

- This quiz consists of 2 questions, each worth 5 points, for a total of 10 points.
- You have 15 minutes to complete the quiz.
- Show all work and justify your answers.
- Scientific calculators are allowed.
- Wishing you success.

1. Let $f(x) = \dfrac{4}{x+2}$ and $g(x) = x^2 - 3x$. Find $(f \circ g)(x)$ and state its domain.

Please turn over for the next question.

2. Given two functions f and g by the tables:

x	1	2	3	4	5	6
$f(x)$	3	1	2	5	6	3

x	1	2	3	4	5	6
$g(x)$	5	2	6	1	2	4

Please use the information from the table of f and g to complete the following table:

x	1	2	3	4	5	6
$(g \circ f)(x)$						