MATH241 Midterm 3

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Problem 1

Please solve for x in the following equation: 3x + 2 = 5.

$$3x = 3$$

$$\Rightarrow x = 1$$

Answer 5

Problem 2

Suppose that we have two (2) hamburgers, one from McDonald's™ and one from Burger King™. Which one should people choose and why? (Note that there is only one correct answer, partial credit will not be given for this question).

Burger King. So That they realize once and for all that they are not the king. McD is.

Answer ~~Burger king~~ McDonald's.

Problem 3

Solve the system of equations for x and y. Make sure you show your steps otherwise no credit will be given.

7x - 8y = -12

-4x + 2y = 3

$$7x - 8y = -12$$
$$-16x + 8y = 12$$
$$\overline{\qquad\qquad\qquad}$$
$$-9x + 0 = 0$$
$$\Rightarrow \boxed{x = 0}$$

$$\therefore \quad 7 \times 0 \; -8 \times y = -12$$
$$\Rightarrow \quad y = \boxed{\dfrac{3}{2}}$$

Answer $\quad x = 0, \quad y = 3/2$