Math 270 - Basic Discrete Mathematics Practice Quiz on Section 3.2

Directions: Answer the problem given below.

- 1. Write negations for the followings statements:
- **a.** \forall real numbers $x, x^4 \ge 0$.

I real number x such that x 4 < 0.

b. \exists an integer *a* such that $3a^2 - 2a = 0$.

c. For all rational numbers a and b, a - b is rational.

d. There exists a real number x such that $x^3 = -2$.

e. For all integers d, if 6/d is an integer, then d = 3

f. There is a rectangle R which is not a square.