

Name \_\_\_\_\_

Math 138

Quiz 3 – Fall 2009

9/18/09

(6/1.5) 1. Find the real solution(s) of  $x^6 - 64 = 0$ .

(30/1.5) 2. Find the real solution(s) of  $2x - \sqrt{15 - 4x} = 0$ .

3. Find the real solution(s) of  $(x^2 - 5)^{\frac{2}{3}} = 16$ .

(54/1.5) 4. Find the real solution(s) of  $|x^2 + 6x| = 3x + 18$ .

(44/1.5) 5. Find the real solution(s) of  $\frac{4}{x} - \frac{5}{3} = \frac{x}{6}$ .