

Intermediate Algebra Quiz 2 Solution Summer 2010

NAME: _____ Score _____/10

Please **print** your name

SHOW ALL YOUR WORK IN A NEAT AND ORGANIZED FASHION

In Questions 1 – 6, (circle your answer)

1. Is $\sqrt{-4}$ a real number? Yes **No**
2. The smallest set which contains $\sqrt{8}$ is **R F Q Z W N**
3. The smallest set which contains $\frac{2}{5}$ is **R F Q Z W N**
4. The smallest set which contains $\frac{8}{3}$ is **R F Q Z W N**
5. The smallest set which contains 17 is **R F Q Z W N**
6. The smallest set which contains $-.5$ is **R F Q Z W N**
7. **(2 pts)** Use the formula $A = \frac{1}{2}(B + b)h$ for the area of a trapezoid to calculate the area of the trapezoid with bases $b = 5$, $B = 9$, and $h = 3$. **Neatly show your work.**
 $A = \frac{1}{2}(5 + 9)3 = \frac{1}{2}(14)3 = 21$

8. **(2 pts)** Simplify the expression $-4x - 3(2x - 5) + x$ **Neatly show your work.**
 $-4x - 3(2x - 5) + x = -4x - 6x + 15 + x = -10x + 15 + x = -9x + 15$