Intermediate Algebra   Quiz 2   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 <u>smallest set</u> which contains $\sqrt{8}$ is **R   F   Q   Z   W   N**

3. The <u>smallest set</u> which contains $\dfrac{2}{5}$ is **R   F   Q   Z   W   N**

4. The <u>smallest set</u> which contains $\dfrac{8}{3}$ is **R   F   Q   Z   W   N**

5. The <u>smallest set</u> which contains 17 is **R   F   Q   Z   W   N**

6. The <u>smallest set</u> which contains $_{-5}$ is **R   F   Q   Z   W   N**

7. **(2 pts)** Use the formula $A = \dfrac{1}{2}(B + b)h$ for the area of a trapezoid to calculate the area of the trapezoid with bases b = 5, B = 9, and h = 3. **<u>Neatly show your work.</u>**
   A =

8. **(2 pts)** Simplify the expression –4x – 3(2x – 5) + x **<u>Neatly show your work.</u>**
   –4x – 3(2x – 5) + x =