Name _____ Date _____ Homeroom _____

Adding and Subtracting Decimals Assessment

1. 34.2 + 21.9 = _____
2. 127.87 + 98.5 = _____
3. 45.7 – 24.6 = _____
4. 142.5 – 87.69 = _____
5. 3,456.6 - 876.789 = _____
6. On average outdoor cats live 3.18 years and indoor cats live 16.7 years. How much longer does and average indoor cat live than an average outdoor cat? _____ (SHOW YOUR WORK on a separate piece of paper)
7. Three boxes of cereal have masses of 379.4 grams, 424.25 grams, and 379.37 grams. What is the difference between the box of cereal with the greatest mass and the box of cereal with the least mass. _____ (SHOW YOUR WORK!!!)
8. Randy rode his bike 1.23 miles to school from his house. After school, he rode 0.9 miles further to the library. Randy biked home along the same route, stopping at a park 1.05 miles from the library. How many miles is the park from Randy's house?
    a. 3.18
    b. 2.37
    c. 1.08
    d. 0.27
9. Tim tracked the change in outside temperature one afternoon. He recorded a temperature of 85.4 °F at noon. The temperature then rose 3.85°F over the next 4 hours. At 5:00 pm, Tim recorded a temperature of 89.25°F. How did the temperature change between 4:00 pm and 5:00 pm?
    a. The temperature increased 0.8°F.
    b. The temperature decreased 0.2°F.
    c. The temperature increased 1°F.
    d. There was no change in the temperature.
10. Tell whether each equation is True or False.
    a. 198.5 – 42.81 = 155.69

    True ☐ False ☐

    b. 73.27 + 251.6 = 98.43

    True ☐ False ☐

    c. 37.04 + 56.20 = 93.6

    True ☐ False ☐

    d. 70.64 – (9.3 + 29.36) = 90

    True ☐ False ☐

    e. 38.2 – (11.11 + 23.76) = 3.33

    True ☐ False ☐