Sig Fig/DA Extra 2022       Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per \_\_\_\_\_

1. How many significant figures are in the following measurements?

a. 20 hairs e. 9.0 sec.

b. 24300. joules f. 6.30x104 g

c. 210 g g. 10.090 m

d. 0.0005 L h. 0.002300 g

2. Solve the following conversion problems

1. How many meters are there in 213 yards? (1 meter = 1.09361 yards)

b. A certain sports drink contains 125 mg of sodium per 350 mL serving. What is this in ounces per Liter? (1 gram = 0.035274 oz)

c. Mrs. Sjuts runs the 400. meter dash in 1 minute 7 seconds. How fast is this in miles/hour? (1 mile = 1.609 kilometers)

d. The speed of light is 3x108 meters/second. How fast is this in miles/hour?   
(1 mile = 1.609 kilometers)