Quiz 1A: Units and Dimensional Analysis Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_

1. How many µg are there in 34 g?
2. Convert 12 m s-1 to km hr-1 (show work)
3. Convert 100 cm2 to in2 (1 in = 2.54 cm)
4. Which equation for acceleration must be wrong? [***t*** 🡪 s, ***v*** 🡪 ms-1, ***a*** 🡪 ms-2, ***x*** 🡪 m, ***F*** 🡪 kg m s-2, ***m*** 🡪 kg]
   1. a = v2 / x
   2. a = v2 /t
   3. a = F/m

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