**COMC Problem Set 1**

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**Junior Problems**

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| **Points** | **Problem** |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** |  |
| **4** |  |

**Senior Problems**

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| **Points** | **Problem** |
| **1** | The equations x2-a =0 and 3x4-48 = 0 have the same real solutions. What is the value of a? |
| **2** |  |
| **3** |  |
| **4** |  |
| **4** |  |