

This was an exam problem from my first exam last semester...

(12 Points) You found a pot of gold at the end of the rainbow. The volume of the pot is 23.2 quarts (qts). One mole of pure gold has a volume of  $10.2 \text{ cm}^3$ . The current gold price is \$1768 per troy ounce of gold. (A troy ounce is a common measure of mass for a precious metal. One troy oz is 30.1 grams.) How much is the pot of gold worth? Report your answer to two sig figs.