five fractions, order of operations with brackets

Name: _____ Date: _____ Score: _____

$(2-\frac{1}{3})^2-\frac{1}{2}\times\frac{3}{4}\times 2^2=$

$((\frac{1}{2})^2+\frac{3}{2})\times\frac{1}{2}-(\frac{1}{3}-\frac{1}{2})^2=$

$(\frac{1}{4}-\frac{1}{3})^2-\frac{1}{5}(\frac{3}{2}-(\frac{1}{2})^2)=$

$((\frac{1}{2})^2+\frac{1}{2})\times\frac{1}{3}+(\frac{1}{3}-\frac{3}{2})^2=$

$(\frac{1}{6}+(\frac{1}{2})^2)\times\frac{1}{2}-(\frac{3}{2}+\frac{1}{2})^2=$

$(2-\frac{3}{2})^2-\frac{3}{2}+\frac{1}{5}+4^2=$

$(\frac{1}{4}+\frac{1}{2})^2-\frac{1}{2}(\frac{3}{2}-\frac{2}{5})=$

$(4-\frac{2}{5})^2-\frac{3}{5}+\frac{2}{5}-4^2=$

$(\frac{2}{5}-\frac{1}{2})^2+\frac{2}{5}(\frac{1}{2}+(\frac{2}{5})^2)=$

$(\frac{1}{2}+\frac{1}{2})^2-\frac{1}{6}(\frac{3}{4}-\frac{2}{3})=$

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$(2-\frac{1}{3})^2-\frac{1}{2}\times\frac{3}{4}\times 2^2=\frac{23}{18}=1\frac{5}{18}$

$((\frac{1}{2})^2+\frac{3}{2})\times\frac{1}{2}-(\frac{1}{3}-\frac{1}{2})^2=\frac{61}{72}$

$(\frac{1}{4}-\frac{1}{3})^2-\frac{1}{5}(\frac{3}{2}-(\frac{1}{2})^2)=(-\frac{35}{144})$

$((\frac{1}{2})^2+\frac{1}{2})\times\frac{1}{3}+(\frac{1}{3}-\frac{3}{2})^2=\frac{29}{18}=1\frac{11}{18}$

$(\frac{1}{6}+(\frac{1}{2})^2)\times\frac{1}{2}-(\frac{3}{2}+\frac{1}{2})^2=(-\frac{91}{24})=(-3\frac{19}{24})$

$(2-\frac{3}{2})^2-\frac{3}{2}+\frac{1}{5}+4^2=\frac{299}{20}=14\frac{19}{20}$

$(\frac{1}{4}+\frac{1}{2})^2-\frac{1}{2}(\frac{3}{2}-\frac{2}{5})=\frac{1}{80}$

$(4-\frac{2}{5})^2-\frac{3}{5}+\frac{2}{5}-4^2=(-\frac{81}{25})=(-3\frac{6}{25})$

$(\frac{2}{5}-\frac{1}{2})^2+\frac{2}{5}(\frac{1}{2}+(\frac{2}{5})^2)=\frac{137}{500}$

$(\frac{1}{2}+\frac{1}{2})^2-\frac{1}{6}(\frac{3}{4}-\frac{2}{3})=\frac{71}{72}$