five fractions, order of operations with brackets

Name: _____ Date: _____ Score: _____

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

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

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

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

$(5+\frac{3}{2})^2+\frac{2}{5}+\frac{1}{3}\times2^2=$

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

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

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

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

$(2+\frac{1}{2})^2-\frac{2}{5}\times2^2\times\frac{3}{2}=$

five fractions, order of operations with brackets

Name: _____ Date: _____ Score: _____

$(\frac{2}{3}+\frac{2}{5})^2+\frac{3}{2}(\frac{1}{2}+(\frac{1}{2})^2)=\frac{4073}{1800}=2\frac{473}{1800}$

$(2-\frac{1}{4})^2-\frac{1}{4}\times\frac{1}{2}-4^2=(-\frac{209}{16})=(-13\frac{1}{16})$

$(2-\frac{1}{5})^2-\frac{1}{3}\times\frac{1}{4}-4^2=(-\frac{3853}{300})=(-12\frac{253}{300})$

$(5-\frac{1}{3})^2-\frac{1}{2}-3^2\times\frac{3}{4}=\frac{523}{36}=14\frac{19}{36}$

$(5+\frac{3}{2})^2+\frac{2}{5}+\frac{1}{3}\times2^2=\frac{2639}{60}=43\frac{59}{60}$

$(\frac{3}{2}-\frac{1}{5})^2-\frac{1}{3}(\frac{1}{2}-(\frac{3}{2})^2)=\frac{341}{150}=2\frac{41}{150}$

$(\frac{2}{3}-\frac{3}{5})^2+\frac{3}{2}(\frac{1}{2}-(\frac{1}{3})^2)=\frac{529}{900}$

$(\frac{3}{4}-\frac{1}{6})^2+\frac{2}{3}(\frac{1}{3}+\frac{1}{2})=\frac{43}{48}$

$(\frac{3}{4}+(\frac{1}{6})^2)\times\frac{3}{2}+(\frac{2}{3}+\frac{1}{2})^2=\frac{91}{36}=2\frac{19}{36}$

$(2+\frac{1}{2})^2-\frac{2}{5}\times2^2\times\frac{3}{2}=\frac{77}{20}=3\frac{17}{20}$