



StudentName: \_\_\_\_\_

ExamDate: \_\_\_\_\_ ExamScore: \_\_\_\_\_

$$\left(\frac{2}{5} - \left(\frac{1}{4}\right)^2\right) \times \frac{1}{4} + \left(\frac{1}{2} + \frac{1}{2}\right)^2 =$$

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

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

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

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

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

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

$$\left(4 + \frac{1}{3}\right)^2 - \frac{1}{6} - \frac{3}{5} - 3^2 =$$

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

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



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$$\left(\frac{2}{5} - \left(\frac{1}{4}\right)^2\right) \times \frac{1}{4} + \left(\frac{1}{2} + \frac{1}{2}\right)^2 = \frac{347}{320} = 1\frac{27}{320} \quad \left(\left(\frac{3}{5}\right)^2 - \frac{1}{2}\right) \times \frac{1}{4} - \left(\frac{3}{4} + \frac{3}{2}\right)^2 = \left(-\frac{2039}{400}\right) = \left(-5\frac{39}{400}\right)$$

$$\left(\frac{3}{5} - \frac{3}{4}\right)^2 - \frac{1}{2}\left(\frac{1}{2} - \left(\frac{3}{5}\right)^2\right) = \left(-\frac{19}{400}\right) \quad \left(\left(\frac{1}{3}\right)^2 - \frac{3}{4}\right) \times \frac{1}{5} - \left(\frac{3}{2} - \frac{1}{3}\right)^2 = \left(-\frac{67}{45}\right) = \left(-1\frac{22}{45}\right)$$

$$\left(\frac{1}{5} - \frac{1}{4}\right)^2 + \frac{3}{5}\left(\frac{1}{2} + \frac{1}{4}\right) = \frac{181}{400} \quad \left(\left(\frac{1}{2}\right)^2 + \frac{1}{4}\right) \times \frac{1}{2} - \left(\frac{1}{5} + \frac{1}{3}\right)^2 = \left(-\frac{31}{900}\right)$$

$$\left(\frac{1}{3} - \frac{1}{2}\right)^2 + \frac{2}{3}\left(\frac{2}{5} - \frac{1}{4}\right) = \frac{23}{180} \quad \left(4 + \frac{1}{3}\right)^2 - \frac{1}{6} - \frac{3}{5} - 3^2 = \frac{811}{90} = 9\frac{1}{90}$$

$$\left(\frac{1}{3} + \left(\frac{3}{4}\right)^2\right) \times \frac{1}{3} - \left(\frac{1}{2} + \frac{1}{2}\right)^2 = \left(-\frac{101}{144}\right) \quad \left(\frac{1}{3} - \frac{1}{2}\right)^2 + \frac{1}{2}\left(\frac{3}{5} + \frac{3}{2}\right) = \frac{97}{90} = 1\frac{7}{90}$$