



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

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

$$\frac{\left(\frac{1}{8}\right)^6 \cdot \left(\frac{1}{8}\right)^{-1} \cdot \left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^{-5}}{\left(\frac{1}{8}\right)^7 \cdot \left(\frac{1}{8}\right)}$$

$$\frac{\left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^3 \cdot \left(\frac{1}{8}\right)^{-1} \cdot \left(\frac{1}{8}\right)^6}{\left(\frac{1}{8}\right) \cdot \left(\frac{1}{8}\right)^{-8}}$$

$$\left(\frac{1}{8}\right)^{-2} \cdot \left(\frac{1}{8}\right)^{-10} \cdot \left(\frac{1}{8}\right)^4$$

$$\left(\frac{2}{9}\right)^4 \cdot \left(\frac{2}{9}\right)^{-1} \cdot \left(\frac{2}{9}\right)^3$$

$$\frac{\left(\frac{4}{5}\right)^{-7} \cdot \left(\frac{4}{5}\right)^7 \cdot \left(\frac{4}{5}\right)^{-8} \cdot \left(\frac{4}{5}\right)^8}{\left(\frac{4}{5}\right)^9 \cdot \left(\frac{4}{5}\right)^{-9}}$$

$$\left(\frac{1}{4}\right)^4 \cdot \left(\frac{1}{4}\right)^3 \cdot \left(\frac{1}{4}\right)^{-1}$$

$$\frac{\left(\frac{1}{3}\right)^{-9} \cdot \left(\frac{1}{3}\right)^{-3} \cdot \left(\frac{1}{3}\right)^{-3} \cdot \left(\frac{1}{3}\right)^5}{\left(\frac{1}{3}\right)^6 \cdot \left(\frac{1}{3}\right)^{-10}}$$

$$\left(\frac{1}{8}\right)^{-10} \cdot \left(\frac{1}{8}\right)^{-8} \cdot \left(\frac{1}{8}\right)^{-2}$$

$$\frac{\left(\frac{1}{5}\right)^2 \cdot \left(\frac{1}{5}\right)^7 \cdot \left(\frac{1}{5}\right)^2 \cdot \left(\frac{1}{5}\right)^{-4}}{\left(\frac{1}{5}\right)^9 \cdot \left(\frac{1}{5}\right)^8}$$

$$\frac{\left(\frac{1}{3}\right)^9 \cdot \left(\frac{1}{3}\right)^{-1} \cdot \left(\frac{1}{3}\right)^{-10}}{\left(\frac{1}{3}\right)^6}$$

$$\frac{\left(\frac{1}{8}\right)^4 \cdot \left(\frac{1}{8}\right)^2 \cdot \left(\frac{1}{8}\right)^{-6} \cdot \left(\frac{1}{8}\right)^{-7}}{\left(\frac{1}{8}\right)^{-7} \cdot \left(\frac{1}{8}\right)^{-5}}$$

$$\frac{\left(\frac{4}{9}\right)^9 \cdot \left(\frac{4}{9}\right)^3 \cdot \left(\frac{4}{9}\right)^{-8}}{\left(\frac{4}{9}\right)^{10}}$$

$$\left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^7 \cdot \left(\frac{1}{2}\right)^{-2}$$

$$\frac{\left(\frac{1}{2}\right)^{-2} \cdot \left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^{-6}}{\left(\frac{1}{2}\right)^{-4}}$$

$$\frac{\left(\frac{1}{5}\right)^8 \cdot \left(\frac{1}{5}\right)^{11} \cdot \left(\frac{1}{5}\right)^7 \cdot \left(\frac{1}{5}\right)^{-2}}{\left(\frac{1}{5}\right)^{-1} \cdot \left(\frac{1}{5}\right)}$$



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$$\frac{\left(\frac{1}{8}\right)^6 \cdot \left(\frac{1}{8}\right)^{-1} \cdot \left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^{-5}}{\left(\frac{1}{8}\right)^7 \cdot \left(\frac{1}{8}\right)} \left(\frac{1}{8}\right)^{-17}$$

$$\frac{\left(\frac{1}{8}\right)^{-9} \cdot \left(\frac{1}{8}\right)^3 \cdot \left(\frac{1}{8}\right)^{-1} \cdot \left(\frac{1}{8}\right)^6}{\left(\frac{1}{8}\right) \cdot \left(\frac{1}{8}\right)^{-8}} \left(\frac{1}{8}\right)^6$$

$$\frac{\left(\frac{1}{8}\right)^{-2} \cdot \left(\frac{1}{8}\right)^{-10} \cdot \left(\frac{1}{8}\right)^4}{\left(\frac{1}{8}\right)^{-8}}$$

$$\frac{\left(\frac{2}{9}\right)^4 \cdot \left(\frac{2}{9}\right)^{-1} \cdot \left(\frac{2}{9}\right)^3}{\left(\frac{2}{9}\right)^6}$$

$$\frac{\left(\frac{4}{5}\right)^{-7} \cdot \left(\frac{4}{5}\right)^7 \cdot \left(\frac{4}{5}\right)^{-8} \cdot \left(\frac{4}{5}\right)^8}{\left(\frac{4}{5}\right)^9 \cdot \left(\frac{4}{5}\right)^{-9}} \left(\frac{4}{5}\right)^0$$

$$\frac{\left(\frac{1}{4}\right)^4 \cdot \left(\frac{1}{4}\right)^3 \cdot \left(\frac{1}{4}\right)^{-1}}{\left(\frac{1}{4}\right)^6}$$

$$\frac{\left(\frac{1}{3}\right)^{-9} \cdot \left(\frac{1}{3}\right)^{-3} \cdot \left(\frac{1}{3}\right)^{-3} \cdot \left(\frac{1}{3}\right)^5}{\left(\frac{1}{3}\right)^6 \cdot \left(\frac{1}{3}\right)^{-10}} \left(\frac{1}{3}\right)^{-6}$$

$$\frac{\left(\frac{1}{8}\right)^{-10} \cdot \left(\frac{1}{8}\right)^{-8} \cdot \left(\frac{1}{8}\right)^{-2}}{\left(\frac{1}{8}\right)^{-20}}$$

$$\frac{\left(\frac{1}{5}\right)^2 \cdot \left(\frac{1}{5}\right)^7 \cdot \left(\frac{1}{5}\right)^2 \cdot \left(\frac{1}{5}\right)^{-4}}{\left(\frac{1}{5}\right)^9 \cdot \left(\frac{1}{5}\right)^8} \left(\frac{1}{5}\right)^{-10}$$

$$\frac{\left(\frac{1}{3}\right)^9 \cdot \left(\frac{1}{3}\right)^{-1} \cdot \left(\frac{1}{3}\right)^{-10}}{\left(\frac{1}{3}\right)^6} \left(\frac{1}{3}\right)^{-8}$$

$$\frac{\left(\frac{1}{8}\right)^4 \cdot \left(\frac{1}{8}\right)^2 \cdot \left(\frac{1}{8}\right)^{-6} \cdot \left(\frac{1}{8}\right)^{-7}}{\left(\frac{1}{8}\right)^{-7} \cdot \left(\frac{1}{8}\right)^{-5}} \left(\frac{1}{8}\right)^5$$

$$\frac{\left(\frac{4}{9}\right)^9 \cdot \left(\frac{4}{9}\right)^3 \cdot \left(\frac{4}{9}\right)^{-8}}{\left(\frac{4}{9}\right)^{10}} \left(\frac{4}{9}\right)^{-6}$$

$$\frac{\left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^7 \cdot \left(\frac{1}{2}\right)^{-2}}{\left(\frac{1}{2}\right)^{-1}}$$

$$\frac{\left(\frac{1}{2}\right)^{-2} \cdot \left(\frac{1}{2}\right)^{-6} \cdot \left(\frac{1}{2}\right)^{-6}}{\left(\frac{1}{2}\right)^{-4}} \left(\frac{1}{2}\right)^{-10}$$

$$\frac{\left(\frac{1}{5}\right)^8 \cdot \left(\frac{1}{5}\right)^{11} \cdot \left(\frac{1}{5}\right)^7 \cdot \left(\frac{1}{5}\right)^{-2}}{\left(\frac{1}{5}\right)^{-1} \cdot \left(\frac{1}{5}\right)} \left(\frac{1}{5}\right)^{24}$$