

Il tempo previsto per lo svolgimento della verifica è 50 minuti. Ogni esercizio fa conseguire 1,5 punti. Un punto sarà assegnato in base ai requisiti formali del compito.

$$1. \left[ 7^0 + \left( \frac{1}{3} - \frac{1}{4} + \frac{5}{8} \right) : \left( \frac{5}{34} - \frac{1}{2} - \frac{1}{17} \right)^{-1} - (-2)^{-2} \right] : \left( \frac{5}{3} + \frac{5}{6} - \frac{2}{3} \right) + \left( 1 - \frac{1}{4} \right) =$$

$$2. \left[ 2 : \left( \frac{3}{4} \right)^2 + \left( 1 - \frac{1}{3} \right)^2 \right]^2 : \left( -\frac{19}{12} - \frac{3}{4} + \frac{1}{3} \right)^3 =$$

$$3. \left[ \left( -\frac{3}{4} \right)^2 \right]^3 \cdot \left( \frac{1}{4} - 1 \right)^5 : \left[ \left( -\frac{3}{4} \right)^5 \right]^2 + \left\{ 2^5 : \left( 2^{-3} \cdot 2^6 \right) \right\}^{-2} \cdot \left[ \left( -\frac{1}{3} \right)^{-2} \right]^2 =$$

$$4. \frac{(-2)^{-2} \cdot \left( -\frac{1}{5} \right)^{-1} : \left( 3 + \frac{2^2}{3} + \frac{5}{3} \right) \cdot \frac{2^3}{3^2}}{\left( -4 - \frac{8}{3} \right) \cdot \left[ \left( 6 + \frac{10}{3} \right)^{-1} - \left( \frac{1}{2} \right)^4 : \left( -\frac{1}{2} \right) + \frac{10}{2^3} \cdot \left( -3 - \frac{1}{2} \right) \cdot 7^{-2} \right]} =$$

$$5. \frac{\left\{ \frac{3}{4} - \left[ \left( -1 - \frac{1}{4} \right) - \left( \frac{1}{4} \right)^3 \cdot \left( \frac{1}{4} \right)^{-2} \right]^2 \right\}^0}{\left[ \left( \frac{5}{6} \right)^2 \cdot \left( \frac{5}{6} \right)^{-3} \right]^2 : \left[ \left( \frac{5}{6} \right)^2 \cdot \left( \frac{6}{5} \right)^3 \right]} : \left\{ \frac{5}{6} - \left[ \left( 1 - \frac{1}{6} \right) - \left( \frac{6}{5} \right)^{-2} : \left( \frac{6}{5} \right)^{-1} \right] \right\} =$$

$$6. \left\{ \frac{\left[ -2^2 \cdot \left( -\frac{1}{2} \right)^{-4} \cdot \left( -\frac{1}{2} \right)^5 \right]^{-3}}{\left( -\frac{1}{2} \right)^8 \cdot (-2)^4 \cdot \left( -\frac{1}{2} \right)^{-4}} \right\}^{-2} : (-2^{-5})^{-2} =$$

SOLUZIONE	
1	1
2	-2
3	$\frac{69}{16}$
4	$\frac{7}{36}$
5	1
6	$\frac{1}{16}$