

### Test numéro 1 – 1h

Calculer/Simplifier les quantité suivantes :

$$A = \frac{1}{3} - \frac{1}{4} + \frac{2}{5}; \quad B = \frac{12}{21} \times \frac{7}{8} \times 12; \quad C = \sqrt{45} - 3\sqrt{20} + 2\sqrt{5};$$

$$D = \frac{5 - 2 \times 6}{3 + 2(12 - 10)}; \quad E = \frac{2^3 \times 7^2 \times 5}{(2^2)^3 \times 7 \times 5^2}; \quad F = \frac{3^4 - 3^2}{3^3 + 3^2};$$

$$G = \frac{1}{1 + \frac{1}{1 + \frac{1}{1 + \frac{3}{1 - \frac{3}{4}}}}}; \quad H = \max\left(\frac{5}{16}; \frac{2}{4}; \frac{-1}{6}; 2\right); \quad I = \frac{1}{\sqrt{3} - \sqrt{5}};$$

$$J = \text{ppcm}(2; 28; 12).$$