

### DPE F11: Exercice 6 F11: Correction

2 présentation + A /4 + B /4 + C /4 + D /2 + E /4 + F /4 = 24

$$\begin{aligned} A &= (-5) + (-6) + (+17) - (+9) - (-8) \\ &= \textcolor{red}{(-5)} + \textcolor{red}{(-6)} + \textcolor{green}{(+17)} + \textcolor{red}{(-9)} + \textcolor{green}{(+8)} \\ &= \textcolor{green}{17} + 8 + \textcolor{red}{(-5)} + \textcolor{red}{(-6)} + \textcolor{red}{(-9)} \\ &= \textcolor{green}{25} + \textcolor{red}{(-20)} \\ &= 5 \end{aligned}$$

$$\begin{aligned} B &= (-12) + (+5,25) - (+10) + 7 - (-6,25) \\ &= \textcolor{red}{(-12)} + \textcolor{green}{(+5,25)} + \textcolor{red}{(-10)} + \textcolor{green}{7} + \textcolor{green}{(+6,25)} \\ &= \textcolor{green}{(+5,25)} + 7 + \textcolor{green}{(+6,25)} + \textcolor{red}{(-12)} + \textcolor{red}{(-10)} \\ &= \textcolor{green}{18,5} + \textcolor{red}{(-22)} \\ &= -3,5 \end{aligned}$$

$$\begin{aligned} C &= (-7,3) + (-5,2) - (-12,4) - (+10,1) + (-12,7) \\ &= \textcolor{red}{(-7,3)} + \textcolor{red}{(-5,2)} + \textcolor{green}{(+12,4)} + \textcolor{red}{(-10,1)} + \textcolor{red}{(-12,7)} \\ &= \textcolor{green}{(+12,4)} + \textcolor{red}{(-10,1)} + \textcolor{red}{(-12,7)} + \textcolor{red}{(-7,3)} + \textcolor{red}{(-5,2)} \\ &= \textcolor{green}{12,4} + \textcolor{red}{(-35,3)} \\ &= -22,9 \end{aligned}$$

$$\begin{aligned} D &= \textcolor{cyan}{(-1 - 6)} - 7 \\ &= \textcolor{red}{-7} - 7 \\ &= \textcolor{red}{-14} \end{aligned}$$

$$\begin{aligned} E &= - (4 - 3 + 5) + (4 - 2) - 1 \\ &= \textcolor{red}{-6} + \textcolor{green}{2} - 1 \\ &= \textcolor{green}{2} - \textcolor{red}{6} - 1 \\ &= \textcolor{green}{2} - \textcolor{red}{7} \\ &= -5 \end{aligned}$$

$$\begin{aligned} F &= 2 - 8 - (-4 - 9) \\ &= 2 - 8 - \textcolor{red}{(-13)} \\ &= \textcolor{green}{2} - \textcolor{red}{8} + \textcolor{green}{13} \\ &= \textcolor{green}{15} - \textcolor{red}{8} \\ &= 7 \end{aligned}$$