$$\left(\frac{7}{4}\right)$$

التصحيح

التمرين الأول: $(05 pts)$

① $W_{5} = W_{5}(C) = W_{5}(B) - W_{5}(B5) + W_{5}(A5)$

$= W_{5} \cdot \frac{2!}{3! \times 5}$

$= \frac{7}{2!} W_{5}$

$= W_{5}(5 \times 5)$

$= \frac{W_{9} \cdot 5^2}{5^2}$

$= \frac{W_{9} \cdot 5}{5}$

$= W_{9}$

② $W_{3} = W_{5}(4\sqrt{3})$

$= \frac{W_{9} \cdot (4\sqrt{3})}{5}$

$= \frac{W_{9}(5 + 4\sqrt{3})}{5}$

$= \frac{W_{9} \cdot 5}{5}$

$= \frac{W_{9}}{5}$

$= \frac{W_{9}}{5}$

③ $W_{3} = \frac{W_{9}}{5} W_{5}(4)$

$\sqrt{3W_{3} - 6} - 6 = 0$

$3W_{3} - 6 = 6$

$3W_{3} = 42 \implies W_{3} = 14$

إذن: $\boxed{W_{3} = 14}$