5) $y = K^{1/2}$ $\quad s = 0{,}2 \; ; \; \delta = 0{,}05 \; ; \; n = 0$

$\longrightarrow y = \sqrt{K} \Rightarrow s \cdot (y) = \delta(k)$

$\Rightarrow s \cdot (\sqrt{K}) = \delta(K)$

$\Rightarrow K = \left(\frac{s}{\delta}\right)^2 = \left(\frac{0{,}2}{0{,}05}\right)^2 = 16$

$\Rightarrow y = \sqrt{K} \Rightarrow y = \sqrt{16} = 4.$

10) $y = \sqrt{K} \cdot \sqrt{NA}$ $\quad s = 0{,}2 \; ; \; \delta = 0{,}05 \; ; \; g_A = 0{,}025$ $\quad g_N = 0{,}025$

$\longrightarrow y = \sqrt{K} \cdot \sqrt{NA} \Rightarrow \frac{Y}{NA} = \sqrt{\frac{K}{NA}}$

$\longrightarrow s \cdot \left(\sqrt{\frac{K}{NA}}\right) = (\delta + g_A + g_N)\left(\frac{K}{NA}\right)$

$\longrightarrow \sqrt{\frac{K}{NA}} = \frac{s}{\delta + g_A + g_N} \Rightarrow \frac{K}{NA} = \left(\frac{s}{\delta + g_A + g_N}\right)^2$

$\longrightarrow \frac{K}{NA} = \left(\frac{0{,}2}{0{,}05 + 0{,}025 + 0{,}025}\right)^2 = \left(\frac{0{,}2}{0{,}1}\right)^2 = \underline{4}$

6) $Y = K^{1/2} \cdot L^{1/2}$ $\quad g_N = 0{,}05 \; ; \; \delta = 0{,}05 \; ; \; s = 0{,}2$

$\longrightarrow y = \sqrt{K \cdot L} \Rightarrow \frac{Y}{L} = \frac{\sqrt{K}}{\sqrt{L}} \Rightarrow s \cdot \left(\frac{Y}{L}\right) = (\delta + g_N)\left(\frac{K}{L}\right)$

$\longrightarrow \sqrt{\frac{K}{L}} = \frac{s}{\delta + g_N} \Rightarrow \frac{K}{L} = \left(\frac{s}{\delta + g_N}\right)^2$

$\Rightarrow \frac{K}{L} = \left(\frac{0{,}2}{0{,}05 + 0{,}05}\right)^2 = \underline{4}$

$\longrightarrow y = \sqrt{K \cdot L} \Rightarrow PMgL = \frac{1}{2}\left(\frac{\sqrt{K}}{\sqrt{L}}\right)$

$\Rightarrow PMgL = \left(\frac{1}{2}\right)(\sqrt{4}) = \underline{1}$