

Answer on Question#42005 - Math - Algebra

$$\frac{6}{m-5} - \frac{4}{m+5} = \frac{4}{m^2-25} \Rightarrow \frac{2m+50}{m^2-25} = \frac{4}{m^2-25}$$

We cannot take $m = \pm 5$ as a solution. Because in these points we will divide over 0.

So, $2m+50 = 4 \Rightarrow m=-23$.

Answer: $m=-23$