

Answer on Question #49991 – Math – Algebra.

$$6 - \left[\frac{3}{2} - \frac{3}{5} \times \frac{16}{9} - \frac{1}{2} \right]$$

Solution

$$\begin{aligned} 6 - \left[\frac{3}{2} - \frac{3}{5} \times \frac{16}{9} - \frac{1}{2} \right] &= 6 - \left[\frac{3}{2} - \frac{1}{5} \times \frac{16}{3} - \frac{1}{2} \right] = 6 - \left[\frac{3}{2} - \frac{16}{15} - \frac{1}{2} \right] = 6 - \left[\frac{2}{2} - \frac{16}{15} \right] = 6 - \left[1 - 1\frac{1}{15} \right] = 6 - \left[-\frac{1}{15} \right] = \\ &= 6 + \frac{1}{15} = \frac{6 \times 15 + 1}{15} = \frac{91}{15} = 6\frac{1}{15} \end{aligned}$$