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Quiz Q1

Algebra & Functions (Maths 201-016)

Evaluate the following expressions:

1. $56 \div 7 - 81 \div 9$

2. $(1^4 + 2^2 + 6^0)^2$

3. $\frac{9}{2} \div \left(\frac{5}{6} + \frac{11}{3}\right) \times \frac{8}{3}$

Answers

They equal:

1. -1 2. 36 3. $\frac{8}{3}$

Solve the following equations:

1. $x + \frac{7}{6} = \frac{5}{9}x - \frac{11}{18}$

2. $3(7 + 5x) = 37 - [5(x + 2) - 11x]$

3. $\frac{x + 2}{5} = \frac{x - 6}{4}$

Answers

$x =$

1. -4 2. $2/3$ 3. $11/2$ 4. 38