Expression **vs.** Equation

An expression in math is a sentence containing numbers and the operations. Below are examples of expressions:

$2 + 3$

$17 - 16 + 2$

$\dfrac{2}{5} \times \dfrac{6}{6}$

6

$(3 \times 5) - (6 \times 2)$

$y - 20$

An equation is the statement of numbers, expressions, operations that are equal. Examples:

$2 + 3 = 4 + 1$

$17 - 16 + 2 = 3$

$\dfrac{2}{5} \times \dfrac{6}{6} = \dfrac{12}{30}$

$6 = 6$

$(3 \times 5) - (6 \times 2) = 15 - 12$

$y - 20 = 10 + x$

Look at the statements below. Write "ex" if the statement is an expression.
Write "eq" if the statement is an equation.

_____ $7 + f$

_____ $6x - 6y - 6z$

_____ $12(7 - 3)$

_____ $\dfrac{(40 - 5)}{7} = 5$

_____ $(6 \times 4) = (3 \times 8)$

_____ 8

_____ $(5 \times 5 \times 5)$

_____ $0.1 + 0.5 = 0.3 + 0.3$

_____ $\dfrac{9}{2} \times \dfrac{4}{3} = 6$

_____ $(2 \times 2) - (1 \times 1)$

Challenge

Complete the equation by writing the expression on the other side of equation. See the example.

$60 + 4 =$ _8×8_

$25 - 15 =$ _____

$4 \times 2 =$ _____

$\dfrac{12}{4} =$ _____