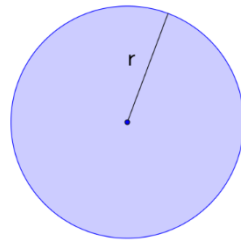# Order of Operations; Evaluating and Simplifying Expressions

Ex 1.

Evaluate $4xy^2 + z$ when $x = \frac{3}{4}$, $y = \frac{2}{3}$, and $z = 3\frac{1}{2}$.

The area of a circle with radius r is given by:

$$A = \pi r^2$$

Ex 2.

Find the area of a circle with a diameter of 7 inches (use $\pi \approx \frac{22}{7}$).

Ex 3.

Combine like terms: $\frac{5}{8}x^2 + \frac{1}{2} - \frac{3}{4}x^2 + \frac{2}{3} - \frac{1}{4}x$

Ex 4.

Multiply: $\left(\dfrac{-5}{12}h^4\right)\left(\dfrac{6}{-11}h^3\right)$