

Unit 2.2 Algebraic Expressions

1. In the group of terms below pick out the like variables and fill in the table

2.4, $6x^2$, $5x2y$, $\frac{3}{8}$, $\frac{1}{3}x^2$, $-3.5y$, πx^2 , $5y^2$, $-x^2$, $10.2x^2y$, $3x$, $6.8x^2$, $-9y$, $-\frac{3}{4}x^2y$, $1.5xy$

Variable/ Constant	Terms

2. Simplify the expression by combining like terms

a. $2n^2 - 6n + 3 - 4n^2 + 10n - 8 \rightarrow$ _____

b. $\frac{x-5}{6} - x + 2 \rightarrow$ _____

3. Simplify the expression by combining like terms and then evaluate the simplified expression for $x = 3$ and $y = -2$

a) $3(y - 1) + 2(y + 2) = \underline{\hspace{4cm}}$

b) $5x + xy^2 - 2xy^2 + 3x + 8 = \underline{\hspace{4cm}}$

c) $3x - 4y - 2[x + 5(y - 3)] - 2y + x = \underline{\hspace{4cm}}$