

Name: _____

Date _____

: Hour: _____

Unit 2 Study Guide
Algebraic Expressions

Identify the terms, variables, coefficients, and constants in each expression.

3. $-4a - 7b + 5 + c$

Terms: 4 $(-4a \text{ and } -7b \text{ and } +5 \text{ and } +c)$

Variables: a, b, c

Coefficients: $-4, -7$

Constants: $+5$

4. $7 - 5h - 2 - k$

Terms: 4 $(7 \text{ and } -5h \text{ and } -2 \text{ and } -k)$

Variables: $h \text{ and } k$

Coefficients: $-5, -1$

Constants: $7 \text{ and } -2$

5. $5 - 4x - 8y$

Terms: 3 $(5 \text{ and } -4x \text{ and } -8y)$

Variables: $x \text{ and } y$

Coefficients: $-4 \text{ and } -8$

Constants: 5

6. $9k + 7 - k + 4$

Terms: 4 $(9k \text{ and } 7 \text{ and } -k \text{ and } 4)$

Variables: k

Coefficients: $9 \text{ and } -1$

Constants: $7 \text{ and } 4$

$2k + 15 - m - 3 + n - 7p$

Terms: 6 $(2k, -m, n, -7p, 15, -3)$

Variables: k, m, n

Coefficients: $2, -1, 1, -7$

Constants: $15, -3$

$-8 - 4c + 7 - c - 12c - 2$

Terms: 6 $(-8, -4c, 7, -c, -12c, -2)$

Variables: c

Coefficients: $-4, -1, -12$

Constants: $-8, +7, -2$

What coefficient
does this
variable have?

-1