

Name: \_\_\_\_\_

Unit 1 Worksheet 1  
Combining Like terms

1. Simplify the following:

(a)  $4v + 7v$

(b)  $5n + 8n - 4n$

(c)  $9g - 4g$

(d)  $3a + 5 + 8 + 6a$   
 $\quad \quad \quad \underline{11v}$   
 $\quad \quad \quad \underline{9a + 13}$

(e)  $7 + 4b + 6 + 3b$   
 $\quad \quad \quad \underline{9n}$

(f)  $10f + 8 - 7f + 9$

(g)  $3d + 9c - 2d + 2c + 6d$

(h)  $4s + 12 - 3 + 8s - 5 + 3s$

(i)  $4r + 7w + 8r + w + r$

(j)  $16 + h + 4h - 7 - 2h + h$

(k)  $m + m + m + m$

(l)  $4 + y + 2 + 2y + y + 1$

(m)  $20u + 7 + 8 - 3u + 7v$

(n)  $b + f + 2f + 3b + f + 4b$

(o)  $3e + 7t + 5 + 4t + 8$

(p)  $3x + 6y + 3x - 4y - 9$

(q)  $9j - 7 + 4j + 10$

(r)  $3x + 7y + 2xy + 4xy + 5x$

(s)  $6h + 9b - 5h + 4b + 2h$

(t)  $9a + 6b + 3ab + 4b + 2ab + a$

(u)  $7u + 7uv + 8u - 2uv + 9 - 6u - 8$

2. Simplify the following, then evaluate with the given values.

(a)  $4a + 8 - a + 6$ ,  $a = 5$

(b)  $3g - 2g + h + g - 7$ ,  $g = 10$ ,  $h = 3$

(c)  $5s + 2t + s + t - 7$ ,  $s = 2$ ,  $t = 9$

(d)  $x + y + 3 + 2x + 5y + 6x$ ,  $x = -1$ ,  $y = 4$

(e)  $2a + 6ab - a + b + 3ab$ ,  $a = 6$ ,  $b = 10$

(f)  $7k + 8 - 4 - 3k + 6 + k$ ,  $k = 8$

6) In each of the following state the coefficient, constant, variable and what operations are in the expression.

a)  $12k - 7$

Coefficient: \_\_\_\_\_

Constant: \_\_\_\_\_

Variable: \_\_\_\_\_

Op: \_\_\_\_\_

b)  $5 + 8p$

Coefficient: \_\_\_\_\_

Constant: \_\_\_\_\_

Variable: \_\_\_\_\_

Op: \_\_\_\_\_

c)  $m - 13$

Coefficient: \_\_\_\_\_

Constant: \_\_\_\_\_

Variable: \_\_\_\_\_

Op: \_\_\_\_\_

d)  $6t$

Coefficient: \_\_\_\_\_

Constant: \_\_\_\_\_

Variable: \_\_\_\_\_

Op: \_\_\_\_\_

e)  $72/h$

Coefficient: \_\_\_\_\_

Constant: \_\_\_\_\_

Variable: \_\_\_\_\_

Op: \_\_\_\_\_

7) Write the above expressions into a phrase.

## Attachments

---

Oct. 4 Grade 7 Extra Prctice Worksheet 3 (Homework SHEET).pdf

Gr 7 U1 pat day 4 collect like terms weorksheet.docx