



Like Terms

1 Are these pairs are like terms? (Write yes or no)

a) $7e, 2e$	b) $6, 6x$	c) $5a, 5c$	d) $16q, 17q$
e) $ba, 3ab$	f) $2x, 3x^2$	g) $b, 4b$	h) $8pq, 3pr$

2 Choose the like terms in these sets

a) $\{3m, a, 2y, m, 4x, 2m\}$	b) $\{2a, h, 4x, 4b, 4, 8b\}$
c) $\{7p, 6x, 2x, 6, x, 2r\}$	d) $\{5m, 2b^2, b^2, 6b, 5b^2\}$

3 Add or subtract like terms

a) $5a - 3a$	b) $7y + 2y$	b) $5ab + 3ba$
c) $8p + p$	d) $6d - 5d$	e) $7y - y$

4 Simplify by adding or subtracting like terms

a) $3a + 7a + 6b$	b) $7y - 5y + 6y$	c) $5a + 6d - 2d$
c) $2c - 4c + 5c$	d) $3p + 4q + 7p$	e) $16 - 8 + 3f$
f) $7a + 2a + b + 3b$	g) $4ab - 2ba + b$	h) $4h + 4 - 2h + 6$

Answers

Question 1

a) yes	b) no	c) no	d) yes
e) yes	f) no	g) yes	h) no

Question 2

a) $3m, m, 2m$	b) $4b, 8b$
c) $6x, 2x, x$	d) $2b^2, b^2, 5b^2$

3 Add or subtract like terms

a) $2a$	b) $9y$	b) $8ab$
c) $9p$	d) d	e) $6y$

Question 4

a) $10a + 6b$	b) $8y$	c) $5a + 4d$
c) $3c$	d) $10p + 4q$	e) $18 + 3f$
f) $9a + 4b$	g) $2ab + b$	h) $2h + 10$