

LIKE TERMS Part 1

VOCAB:

$$-6x^3$$

COEFFICIENT—

VARIABLE—

EXPONENT--

TERM—a grouping of a _____, a _____ & an
_____ (not always present). All of these are
_____ together.

There is NO _____ or _____ in a term, and the 'stuff' after the
coefficient is just like a _____ (like



LIKE TERMS #1

- 1a $16x - 7x =$ _____ 1b $1xy - 12xy =$ _____ 1c $16cm - 14cm =$ _____
- 2a $6p - 19p =$ _____ 2b $15x^2 - 7x^2 =$ _____ 2c $6ab - 16ab =$ _____
- 3a $8y - 16y =$ _____ 3b $12n - 10n =$ _____ 3c $15rt - 20rt =$ _____
- 4a $3t - 12t =$ _____ 4b $20a - 11a =$ _____ 4c $7x^2y - 14x^2y =$ _____
- 5a $19m - 15m =$ _____ 5b $5pq - 18pq =$ _____ 5c $14m - 12m =$ _____
- 6a $7x - 18x =$ _____ 6b $14r - 20r =$ _____ 6c $2(ab^2) - 0(ab^2) =$ _____
- 7a $9x - 18x =$ _____ 7b $0r^3 - 8r^3 =$ _____ 7c $12abc - 2abc =$ _____
- 8a $6yd - 4yd =$ _____ 8b $14y - 7y =$ _____ 8c $0p^2q^2 - 13p^2q^2 =$ _____
- 9a $2m - 2m =$ _____ 9b $7mn - 13mn =$ _____ 9c $0xyz - 20xyz =$ _____
- 10a $15mi - 5mi =$ _____ 10b $5x - 14x =$ _____ 10c $11xy^2 - 9xy^2 =$ _____
- 11a $5xy - 6xy =$ _____ 11b $1ab - 4ab =$ _____ 11c $1bcde - 5bcde =$ _____
- 12a $3x^2 - 4x^2 =$ _____ 12b $6y^5 - 14y^5 =$ _____ 12c $13w^3y^2 - 6w^3y^2 =$ _____

LIKE TERMS #2

- 1a $(-3)x + 9x =$ _____
 $-3x + 9x$ or
- 2a $(-5)x^2 + 8x^2 =$ _____
 $-5x^2 + 8x^2$ or
- 3a $(-15)y + 3y =$ _____
 $-15y + 3y$ or
- 4a $(-7)m + 2m =$ _____
 $-7m + 2m$ or
- 5a $(-9)xy + 12xy =$ _____
 $-9xy + 12xy$ or
- 6a $(-17)abc + 11abc =$ _____
 $-17abc + 11abc$ or
- 7a $(-14)r^2 + 29r^2 =$ _____
 $-14r^2 + 29r^2$ or
- 8a $(-8)xyz + 8xyz =$ _____
 $-8xyz + 8xyz$ or
- 9a $(-11)b^3 + 7b^3 =$ _____
 $-11b^3 + 7b^3$ or
- 10a $(-6)y^2z + 9y^2z =$ _____
 $-6y^2z + 9y^2z$ or
- 11a $(-14)n + 18n =$ _____
 $-14n + 18n$ or
- 12a $(-17)y + 8y =$ _____
 $-17y + 8y$ or
- 1b $(-12)m + 15m =$ _____
- 2b $(-17)c + 10c =$ _____
- 3b $(-16)mn + 9mn =$ _____
- 4b $(-5)xyz + 18xyz =$ _____
- 5b $(-3)pq + 20pq =$ _____
- 6b $(-13)x + 21x =$ _____
- 7b $(-9)rt + 4rt =$ _____
- 8b $(-17)b + 13b =$ _____
- 9b $(-12)r^3t + 8r^3t =$ _____
- 10b $(-7)cm + 18cm =$ _____
- 11b $(-20)abc + 20abc =$ _____
- 12b $(-8)x^2y + 14x^2y =$ _____

LIKE TERMS #3

1a $9x - (-7)x =$ _____ 1b $3mn - (-7mn) =$ _____

2a $3m - (-8)m =$ _____ 2b $6st - (-9)st =$ _____

3a $14pq - (-2)pq =$ _____ 3b $5gh - (-12)gh =$ _____

4a $6y - (-12)y =$ _____ 4b $14x^2y - (-8)x^2y =$ _____

5a $11t - (-2)t =$ _____ 5b $9w^8 - (-15)w^8 =$ _____

6a $14ab - (-5)ab =$ _____ 6b $13c^4 - (-6)c^4 =$ _____

7a $16x^2 - (-3)x^2 =$ _____ 7b $5abcd - (-3)abcd =$ _____

8a $4xy - (-9)xy =$ _____ 8b $7xy - (-8)xy =$ _____

9a $7r^2 - (-18)r^2 =$ _____ 9b $18v - (-5)v =$ _____

10a $4pq - (-15)pq =$ _____ 10b $9xyz - (-12)xyz =$ _____

11a $9ayz - (-8)ayz =$ _____ 11b $23p - (-14)p =$ _____

12a $21b^5 - (-11)b^5 =$ _____ 12b $16d^2r - (-13)d^2r =$ _____

LIKE TERMS #4

- 1a $9x - (-7)x =$ _____ 1b $(-13)mn - (-7mn) =$ _____
- 2a $(-3)m - (-8)m =$ _____ 2b $(-16)st - (-9)st =$ _____
- 3a $(-14)pq - (-2)pq =$ _____ 3b $(-15)gh - (-12)gh =$ _____
- 4a $(-18)y - (-12)y =$ _____ 4b $(-4)x^2y - (-8)x^2y =$ _____
- 5a $(-1)t - (-2)t =$ _____ 5b $(-9)w^8 - (-15)w^8 =$ _____
- 6a $(-4)ab - (-5)ab =$ _____ 6b $(-13)c^4 - (-6)c^4 =$ _____
- 7a $(-16)x^2 - (-3)x^2 =$ _____ 7b $5abcd - (-8)abcd =$ _____
- 8a $(-7)xy - (-9)xy =$ _____ 8b $17xy - (-8)xy =$ _____
- 9a $17r^2 - (-18)r^2 =$ _____ 9b $(-14)v - (-5)v =$ _____
- 10a $14pq - (-15)pq =$ _____ 10b $9xyz - (-2)xyz =$ _____
- 11a $3ayz - (-8)ayz =$ _____ 11b $(-23)p - (-14)p =$ _____
- 12a $(-1)b^5 - (-11)b^5 =$ _____ 12b $(-6)d^2r - (-3)d^2r =$ _____

LIKE TERMS #5

- 1a $16x - x =$ _____ 1b $1xy - xy =$ _____ 1c $16c - c =$ _____
- 2a $p - 19p =$ _____ 2b $15x^2 + x^2 =$ _____ 2c $ab - 16ab =$ _____
- 3a $8y + y =$ _____ 3b $12n - n =$ _____ 3c $rt - 20rt =$ _____
- 4a $3t - 12t + t =$ _____ 4b $20a + a + a =$ _____ 4c $7x^2y - 14x^2y =$ _____
- 5a $9m - m =$ _____ 5b $5pq - pq =$ _____ 5c $4m - m - 3m =$ _____
- 6a $7x - x - x =$ _____ 6b $14r - 0r =$ _____ 6c $2(ab^2) - (ab^2) =$ _____
- 7a $9x + x + 2x =$ _____ 7b $0r^3 - r^3 =$ _____ 7c $12abc + abc =$ _____
- 8a $yd - 4yd =$ _____ 8b $14y - 7y + y =$ _____ 8c $p^2q^2 - 13p^2q^2 =$ _____
- 9a $m - 12m =$ _____ 9b $mn - 13mn =$ _____ 9c $xyz - 20xyz =$ _____
- 10a $15i - 5i + i =$ _____ 10b $5x - x - x =$ _____ 10c $11xy^2 - xy^2 =$ _____
- 11a $5xy - 6xy =$ _____ 11b $ab + 4ab =$ _____ 11c $bcde - 5bcde =$ _____
- 12a $3x^2 - 4x^2 =$ _____ 12b $y^5 - 14y^5 =$ _____ 12c $w^3y^2 + w^3y^2 =$ _____

LIKE TERMS Part 2 - notes**Review:**

TERM - a grouping of a _____, a _____ & an _____
(not always present). All of these are _____ together.

There is **NO** _____ or _____ in a term!!

When you add or subtract like terms, the _____ doesn't change. The only thing that changes is the _____.

In math, a _____ or _____ sign indicates a _____

Sesame Street _____

Examples

$$4x + 3y - 2x =$$

$$8c^2 - 12c^2 + 5x =$$

$$6g - 8e + 2f - 9g + 12f - 5 =$$

$$4x^2 + 6xy - 12yx =$$

$$14abc + 7x^2y - 3xy + 11 =$$

You can only _____ or _____ IF terms

are _____!

A +/- sign indicates a _____ like a space indicates a new word

So, when you add or subtract like terms, the _____ doesn't change. The only thing that changes is the _____.

$$7x + 9x =$$

$$-14xy - 13xy =$$

$$x^2 + 15x^2 + 3x^2 =$$

$$-7x^2y - 14x^2y - 8x^2y - x^2y =$$

$$9abcd^5 + 32abcd^5 + 2abcd^5 =$$

$$a) 8x + 7x + 3x =$$

$$b) 15vr + 18vr + 3vr =$$

$$c) -15xy - 18xy - 3xy =$$

$$d) -7y - 6y - 2y =$$

$$e) -9pq - 17pq - 4pq =$$

$$f) 21m + 13m =$$

$$g) 7t + 8t + 4t =$$

$$h) 6m^2 + m^2 + 3m^2 + m^2 =$$

$$i) -8n - 3n - 11n =$$

$$j) 6d + 6d + 16d =$$

$$k) -14w - 9w - 3w - w =$$

$$l) -g - g - g - g - g =$$

$$m) 9p + 18p + 4p =$$

$$n) -7y - y - 4y - 5y - y =$$

$$o) 5r^2 + 29r^2 + r^2 =$$

$$p) -8 - 6 - 3 - 9 =$$

$$q) 8z + 9z + 21z + 2z + z =$$

$$r) h + 3h + 51h + 2h =$$

$$s) 7ty + 9ty + 52ty =$$

$$t) -8b - 3b - 5b - 2b - b =$$

$$u) p + p + 24p =$$

$$v) 21n^2m + 35n^2m =$$

$$w) 8cm + 14cm + 20cm =$$

$$x) -6r - r - 3r - 22r =$$

$$y) -42b - 31b =$$

$$z) -37abc - 42abc - 5abc - abc =$$