

Essential Outcome	Lesson/Video	Practice Questions
Subtract Monomials	Introduction Video https://www.youtube.com/watch?v=1yZcQLzV9Uo	1. Worksheet 1 (provided below) 2. Worksheet 2 has multiple variables (provided below)
Subtract Binomials and Trinomials	Khan Academy Video And Practice https://www.khanacademy.org/math/algebra2/x2ec2f6f830c9fb89:poly-arithmetic/x2ec2f6f830c9fb89:poly-add-sub/v/subtracting-polynomials	1. Watch Subtracting Polynomials, Try Practice Subtracting polynomials (intro), Watch Polynomial subtraction from the Khan Academy Link 2. Worksheet 3 (provided below) 3. Trinomial Questions (Provided Below) 4. Extra – Battleship Game https://www.quia.com/ba/28820.html

- Worksheet 1 – Subtracting Monomials

Subtract the monomials.

1) $34x - (-x)$

2) $13y^5 - 11y^5$

1) $34x - (-x)$

2) $13y^5 - 11y^5$

35x

2y⁵

3) $(-5t^5) - 2t^5$

4) $(-4b^3) - (-9b^3)$

3) $(-5t^5) - 2t^5$

4) $(-4b^3) - (-9b^3)$

-7t⁵

5b³

5) $10a^2 - (-15)$

6) $20g^6 - 36g^6$

5) $10a^2 - (-15)$

6) $20g^6 - 36g^6$

10a² + 15

-16g⁶

7) $(-21m^6) - (-8m^5)$

8) $(-12s^2) - 12s^2$

7) $(-21m^6) - (-8m^5)$

8) $(-12s^2) - 12s^2$

-21m⁶ + 8m⁵

-24s²

9) $25u^4 - 14u^4$

10) $18h - (-3h)$

9) $25u^4 - 14u^4$

10) $18h - (-3h)$

11u⁴

21h

- Worksheet 2 – Subtracting Monomials with multiple variables

1) $(-7b) - (-ab^5c)$

2) $15v^3w^2 - 11v^3w^2$

1) $(-7b) - (-ab^5c)$

2) $15v^3w^2 - 11v^3w^2$

$ab^5c - 7b$

$4v^3w^2$

3) $(-5t^3uv) - 4t^3uv$

4) $25y^4z^4 - (-2y^4z^4)$

3) $(-5t^3uv) - 4t^3uv$

4) $25y^4z^4 - (-2y^4z^4)$

$-9t^3uv$

$27y^4z^4$

5) $13p^6q^4r - (-24p^6q^4r)$

6) $(-4m^2n) - m^2n$

5) $13p^6q^4r - (-24p^6q^4r)$

6) $(-4m^2n) - m^2n$

$37p^6q^4r$

$-5m^2n$

7) $20x^4y^5 - 3x^4y^5$

8) $(-18cd) - (-17cd)$

7) $20x^4y^5 - 3x^4y^5$

8) $(-18cd) - (-17cd)$

$17x^4y^5$

$-cd$

9) $(-12r^3s^3t^4) - 8r^3s^3t^4$

10) $14 - 33gh^3$

9) $(-12r^3s^3t^4) - 8r^3s^3t^4$

10) $14 - 33gh^3$

$-20r^3s^3t^4$

$-33gh^3 + 14$

- Worksheet 3 – Subtracting Polynomials

1) $(28y^2z^4 + 14) - 5yz^2$

2) $(-31u^3v) - (-6w^2 - 20u^3v)$

1) $(28y^2z^4 + 14) - 5yz^2$

2) $(-31u^3v) - (-6w^2 - 20u^3v)$

$28y^2z^4 - 5yz^2 + 14$

$-11u^3v + 6w^2$

3) $(-10g^6) - (7g^6 - 28h^4)$

4) $(9r^4s^3 - 12stu^5) - 9r^4s^3$

3) $(-10g^6) - (7g^6 - 28h^4)$

4) $(9r^4s^3 - 12stu^5) - 9r^4s^3$

$-17g^6 + 28h^4$

$-12stu^5$

5) $(-21s^2t - 6) - 13$

6) $16a^2b^3c - (11a^2b^3c - 32c)$

5) $(-21s^2t - 6) - 13$

6) $16a^2b^3c - (11a^2b^3c - 32c)$

$-21s^2t - 19$

$5a^2b^3c + 32c$

7) $(-18bc^5) - (-1 - 18bc^5)$

8) $(15n + 17m) - 41mn$

1

$-41mn + 17m + 15n$

7) $(-18bc^5) - (-1 - 18bc^5)$

8) $(15n + 17m) - 41mn$

9) $(-p^3q^3 + p^3q^4r^6) - (-2p^3q^3)$

10) $(-wx^6) - (x^6y - 4wx^6)$

$p^3q^4r^6 + p^3q^3$

$3wx^6 - x^6y$

9) $(-p^3q^3 + p^3q^4r^6) - (-2p^3q^3)$

10) $(-wx^6) - (x^6y - 4wx^6)$

Subtract.

a) $(r^2 - 3rs + 5s^2) - (-2r^2 - 3rs - 5s^2)$

b) $(-3m^2 + 4mn - n^2) - (5m^2 + 7mn + 2n^2)$

c) $(5cd + 8c^2 - 7d^2) - (3d^2 + 6cd - 4c^2)$

d) $(9e + 9f - 3e^2 + 4f^2) -$

$(-f^2 - 2e^2 + 3f - 6e)$

e) $(4jk - 7j - 2k + k^2) - (2j^2 + 3j - jk)$

a) $3r^2 + 10s^2$ b) $-8m^2 - 3mn - 3n^2$

c) $12c^2 - 10d^2 - cd$ d) $-e^2 + 15e + 6f + 5f^2$

e) $-2j^2 - 10j + 5jk - 2k + k^2$