

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

## Subtracting Monomials

Multi-variable: L2S1

Subtract the monomials.

1)  $\frac{3}{4}u^4v^2w^3 - \frac{1}{2}u^4v^2w^3$

2)  $\frac{5}{8}xy^6 - (-xy^6)$

3)  $(-2y^3z) - \frac{1}{6}y^3z$

4)  $\frac{8}{9}m^2n^3 - \frac{1}{9}m^2n^3$

5)  $\left(-\frac{2}{3}ab\right) - \left(-\frac{1}{3}a^2\right)$

6)  $14qr^5 - (-qr^5)$

7)  $\frac{2}{5}tuv - (-5tuv)$

8)  $\frac{1}{6}c^3d - \frac{3}{4}c^3d$

9)  $\left(-\frac{2}{7}p^4q\right) - \frac{2}{7}p^4q$

10)  $\left(-\frac{1}{2}v\right) - (-12v^6w^3x)$

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## Answer key

### Subtracting Monomials

Multi-variable: L2S1

Subtract the monomials.

1)  $\frac{3}{4}u^4v^2w^3 - \frac{1}{2}u^4v^2w^3$

$$\frac{1}{4}u^4v^2w^3$$

2)  $\frac{5}{8}xy^6 - (-xy^6)$

$$\frac{13}{8}xy^6 = 1\frac{5}{8}xy^6$$

3)  $(-2y^3z) - \frac{1}{6}y^3z$

$$-\frac{13}{6}y^3z = -2\frac{1}{6}y^3z$$

4)  $\frac{8}{9}m^2n^3 - \frac{1}{9}m^2n^3$

$$\frac{7}{9}m^2n^3$$

5)  $(-\frac{2}{3}ab) - (-\frac{1}{3}a^2)$

$$\frac{1}{3}a^2 - \frac{2}{3}ab$$

6)  $14qr^5 - (-qr^5)$

$$15qr^5$$

7)  $\frac{2}{5}tuv - (-5tuv)$

$$\frac{27}{5}tuv = 5\frac{2}{5}tuv$$

8)  $\frac{1}{6}c^3d - \frac{3}{4}c^3d$

$$-\frac{7}{12}c^3d$$

9)  $(-\frac{2}{7}p^4q) - \frac{2}{7}p^4q$

$$-\frac{4}{7}p^4q$$

10)  $(-\frac{1}{2}v) - (-12v^6w^3x)$

$$12v^6w^3x - \frac{1}{2}v$$