

Solving for x: Lesson 04
Combining Terms: Worksheet 1



Name: _____

Simplify by adding like terms:

$$10d^3e - 4de - de^2 + 7de - 13d^3e$$

$$\frac{5}{2}a - \frac{3}{2} + a + \frac{7}{2} - 3a^2$$

Simplify:

$$y^5 \cdot y^7 = \underline{\hspace{2cm}}$$

$$w^4 \cdot w = \underline{\hspace{2cm}}$$

$$4cd^2 \cdot (-3cd) = \underline{\hspace{2cm}}$$

$$-2m \cdot n^3 \cdot m^4 = \underline{\hspace{2cm}}$$

Notice the difference between adding and multiplying:

$$4kj^2 + 7kj^2 = \underline{\hspace{2cm}}$$

$$4kj^2 \cdot 7kj^2 = \underline{\hspace{2cm}}$$

Challenges: Multiply within each term and then combine any like terms.

$$-3w^2(2wx) - 5w^3(y^2w) + w^3x + 3(w) \cdot (-6w^2x) + 3 =$$

_____ = _____

$$17abc + 3 - a(-2b^2) - 2b \cdot 4ac - ab^2 - 2 + 3a \cdot 3bc =$$

_____ = _____