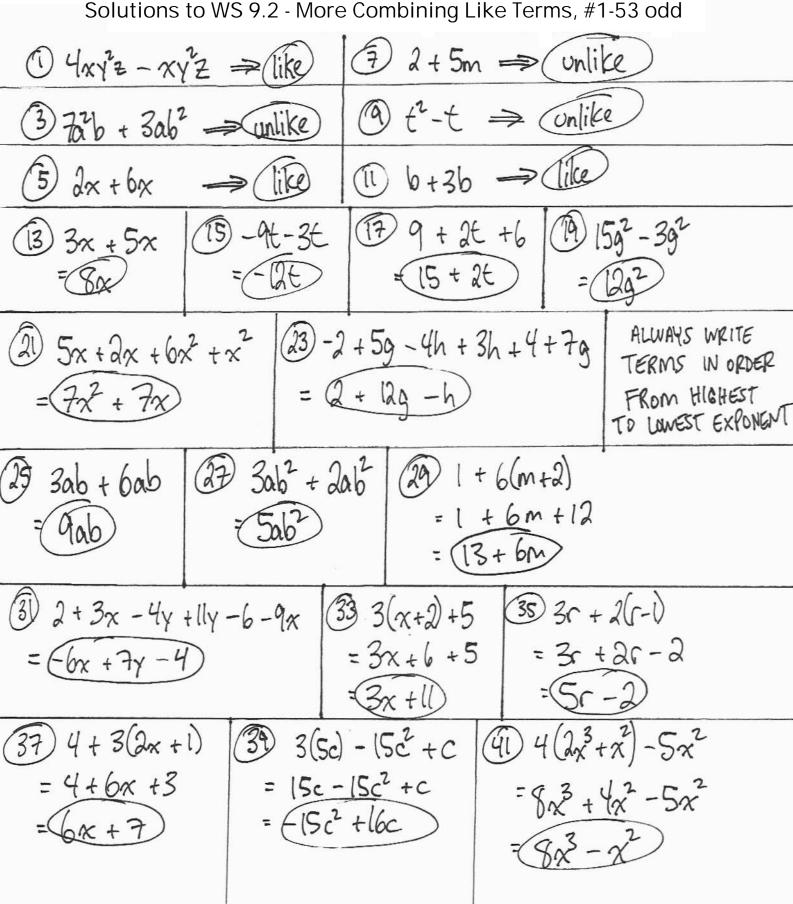
Solutions to WS 9.2 - More Combining Like Terms, #1-53 odd



$$45$$
 $4(m+n) + 3(m+n)$
= $4m + 4n + 3m + 3n$
= $7m + 7n$

$$47 2(x^2-y) + 4(x^2-y)$$

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

$$= 6x^2 - 6y$$

$$\begin{array}{ll}
(47) & 2(x^2 - y) + 4(x^2 - y) \\
= 2x^2 - 2y + 4x^2 - 4y \\
= (6x^2 - 6y)
\end{array}$$

$$\begin{array}{ll}
(40) & 2(t - t^2) + 5(t + t^2) \\
= 2t - 2t^2 + 5t + 5t^2 \\
= 3t^2 + 7t
\end{array}$$

(51)
$$3(x^2y + xy^2) + 6(x^2y^2 - 2xy^2)$$

= $3x^2y + 3xy^2 + 6x^2y^2 - 12xy^2$
= $6x^2y^2 + 3x^2y - 9xy^2$

$$\frac{53}{2}(4a+2b) + \frac{1}{3}(6a-3b)$$
= $2a + b + 2a - b$
= $4a$