

Name: _____

Date: _____

HW Section 5.2 Like terms and Unlike Terms

1. Indicate whether if each of the following pairs are like terms or not:

a) $7a$ & $-15a$	b) $8xy$ & $3yx$	c) $9a$ & $6a^2$	d) $2ab$ & $13ba^2$	e) $7x^2$ & $7x^3$
f) $3cab^2$ & $-4ab^2c$	g) $8xy$ & $\frac{12}{xy}$	h) $15nm^2$ & $9mn^2$	i) 3^4zy^3 & 3^2y^3z	j) $8x^2$ & $3x(x)$

2. From the list of terms, indicate which ones are like terms with each other:

a) $\sqrt{9}$, $9x^3$, $8x$, $22x^2$, $12x$, 15	b) $\sqrt{3}x^2$, $9x^3$, $2x$, $6x^2$, $8x$
c) $12b^2$, $8ab$, $9b$, $13ba$, $\sqrt{2}b^2$	d) $5x^2$, $\sqrt{7}yx$, $12x^2$, $\sqrt{3}xy$, $\sqrt{2}x(3x)$

3. Simplify each of the following below:

a)	b)
c)	d)
e)	f)
g)	h)

4. sdfdsf