

Simplify:

1. $3(2a^3bc^4)^2$

$$3(4a^6b^2c^8)$$

$$\boxed{12a^6b^2c^8}$$

3. $\frac{20g^3h^{-4}j^2}{5g^8h^2j^2}$

$$\frac{x(x')}{x^2}$$

$$\frac{4}{g^5h^6} = \boxed{\frac{4}{g^5h^6}}$$

4. $(2x - 7)^2$

$$(2x - 7)(2x - 7)$$

	$2x$	-7
$2x$	$4x^2$	$-14x$
-7	$-14x$	49

$$\boxed{4x^2 - 28x + 49}$$

2. $(-3x^2 + 5x - 10) - (12x^2 - 8x + 6)$

$$\boxed{-3x^2 + 5x - 10} \quad \boxed{-12x^2 + 8x - 6}$$

$$\boxed{-15x^2 + 13x - 16}$$

$$(5x+3)(x^2+4x-10)$$

	$x^2 + 4x - 10$		
$5x$	$5x^3$	$20x^2$	$-50x$
$+3$	$3x^2$	$12x$	-30

$3x(2x-1)$
 $-(6x^2 - 3x)$

$$\begin{array}{r}
 5x^3 + 23x^2 - 38x - 30 \\
 - 6x^2 + 3x \\
 \hline
 5x^3 + 17x^2 - 35x - 30
 \end{array}$$

$$A = \frac{h(b_1 + b_2)}{2}$$

$$\underline{(x-5)(x^2 - 6x - 3 + 3x^2 + 4x - 1)}$$

2

$$(x-5)(4x^2 - 2x - 4)$$

	$4x^2$	$-2x$	-4
x	$4x^3$	$-2x^2$	$-4x$
-5	$-20x^2$	$10x$	20

$$\underline{4x^3 - 22x^2 + 6x + 20}$$

2

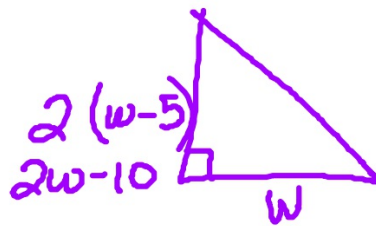
$$2x^3 - 11x^2 + 3x + 10$$



Area 

$$w(w-5)$$

$$\boxed{w^2 - 5w}$$



Area 

$$\frac{w(2w-10)}{2} = \frac{2w^2 - 10w}{2}$$

+

$$\boxed{w^2 - 5w}$$

$$2w^2 - 10w$$

