Warm-Up

January 11, 2016

Simplify:

1. $(-4x^2 + 9x - 3) - (8x^2 - 3x + 5) + 2x(3x - 4)$

$-4x^2+9x-3-8x^2+3x-5+6x^2-8x$

$-4x^2-8x^2+6x^2+9x+3x-8x-3-5$

$-6x^2+4x-8$

Find the product or quotient

A. $-3x(-5x^2 - 10x + 5)$

$15x^3+30x^2-15x$

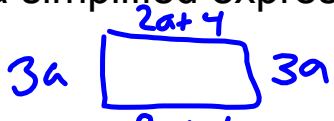
B. $\dfrac{-15y^2 - 18y}{-3y}$

$\dfrac{-15xy}{-3y}$

$5y+6y^0$

$5y+6$

Write a simplified expression for peripper....



Perimeter

$P = S_1 + S_2 + S_3 \ldots$

$P = 10a + 8$

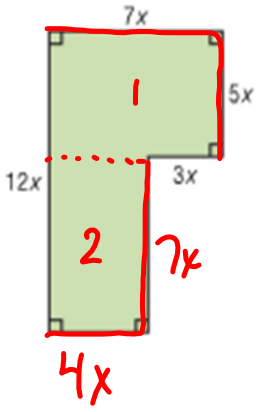
Area

$A = bh$

$= (2a+4)(3a)$ $(3a)(2a+4)$

$6a^2 + 12a$

a) Find the perimeter



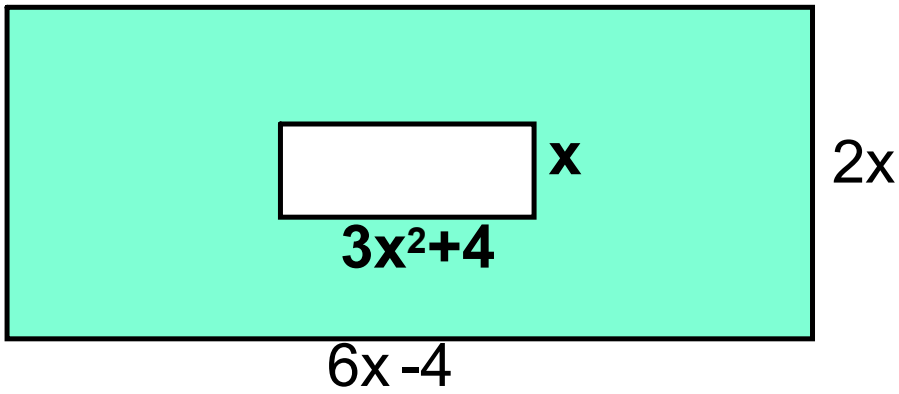
$P = 38x$

b) Find the area.

Area 1 = bh
$= (7x)(5x)$
$= 35x^2$

Area 2 = bh
$= (7x)(4x)$
$= 28x^2$

Total Area = $63x^2$



Find the area of the shaded region

Area Big − Area Small

Area Big: $A = bh = (2x)(6x-4) = 12x^2 - 8x$

Area Small: $A = bh = x(3x^2+4) = 3x^3 + 4x$

$(12x^2 - 8x) - (3x^3 + 4x)$

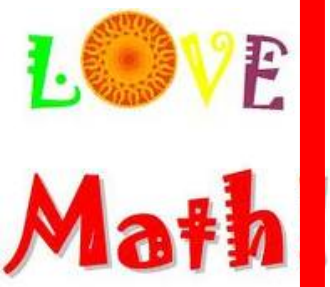
$12x^2 - 8x - 3x^3 - 4x$

Group

$-3x^3 + 12x^2 - 8x - 4x$

simplify

$-3x^3 + 12x^2 - 12x$



Test Wednesday Jan. 13

Test Review Page 259-261

1 [a]
2
5 ALL [descending order!!!]
10
12 ALL
15 ALL
19
22 [a, c, e, g, i, k]
23 [a, c]
27
28
29

Answers Page 511

Even More Practice

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1, 2, 5, 6,8