

SIMPLIFY ALL PROBLEMS

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

2. Simplify:  $-3x(2x - 4) - 3(x^2 - 5x)$

3.  $(2x + 6)(x - 4)$

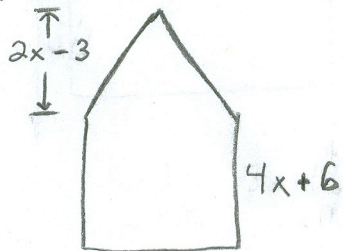
4.  $(2x - 7)^2$

5.  $(5x - 2)(5x + 2)$

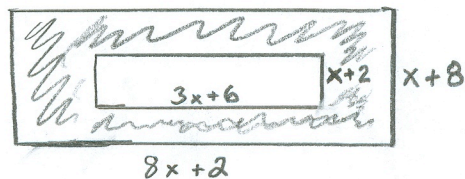
6.  $(2c - 4)(3c^2 - 5c + 2)$

7.

Find the area:

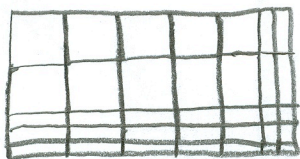


8. Find the area of the shaded region.



9.

What problem does this represent? What is the product?



What is the perimeter?

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

$$\boxed{-6x^2 + 7x - 13}$$

2. Simplify:  $-3x(2x - 4) - 3(x^2 - 5x)$   

$$\boxed{-9x^2 + 27x}$$

3.  $(2x + 6)(x - 4)$   

$$\boxed{2x^2 - 2x - 24}$$

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

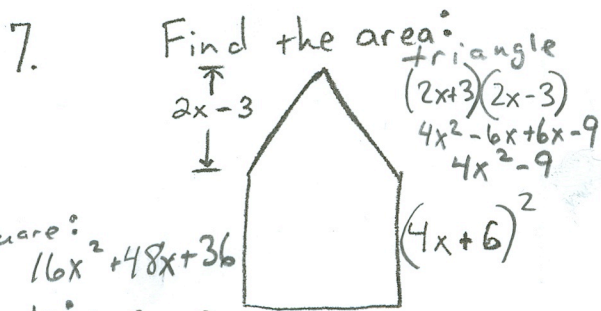
$$\boxed{4x^2 - 28x + 49}$$

5. F/A/L  $(5x - 2)(5x + 2)$   

$$\boxed{25x^2 - 4}$$

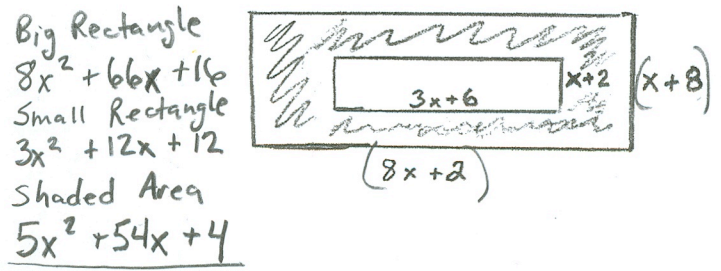
6.  $(2c - 4)(3c^2 - 5c + 2)$   

$$\boxed{6c^3 - 22c^2 + 24c - 8}$$

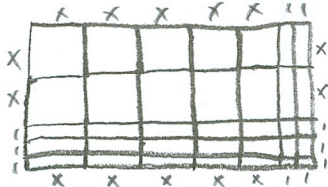


Triangle:  $4x^2 - 9$   
 Total:  $\underline{\underline{20x^2 + 48x + 27}}$

8. Find the area of the shaded region.



9. What problem does this represent? What is the area?  
 $(5x+2)(2x+3)$   
 $10x^2 + 19x + 6$



What is the perimeter?  
 $14x + 10$