

Algebra 1
Multiplying Binomials HOMEWORK

Name: _____

Directions: Answer each question completely. Show your work.

1) Multiply.

a. $(h + 3)(h + 4)$ _____

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b. $(a - 8)(a + 9)$ _____

c. $(2y + 5)(y - 3)$ _____

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d. $(3g - 4)(5g - 8)$ _____

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e. $(m - 9)(m - 5)$ _____

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f. $(8w + 2)(4w + 7)$ _____

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g. $(3a + 11)(2a - 5)$ _____

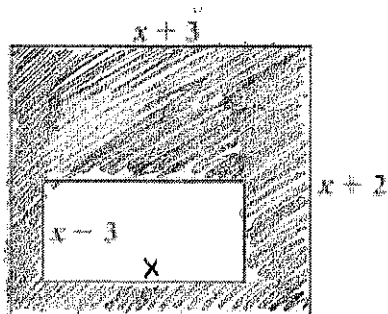
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h. $(-4x + 3)(5x - 9)$ _____

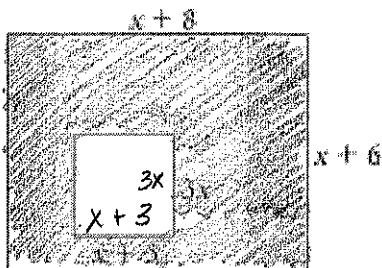
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2) Find the area of each shaded region. Simplify completely.

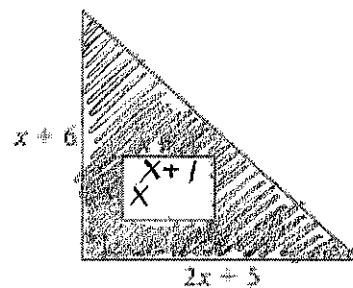
a. _____



b. _____



c. _____



3) Simplify each product.

a. $(x + 9)(x^2 - 4x + 1)$ _____

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b. $(g - 3)(2g^2 + 3g - 9)$ _____

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c. $(-7x + 4)(3x^2 + 2x - 5)$ _____

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d. $(7y^2 + 5y - 2)(8y + 9)$ _____

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