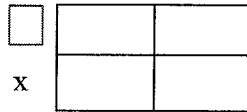


**Student:** klecenda fort  
**Date:** 12/8/14  
**Time:** 8:30 AM

**Instructor:** klecenda fort  
**Course:** Group 2  
**Book:** \*Connected Mathematics 3  
(Grades 6-8)

**Assignment:** Homework 16

1. Draw a rectangle illustrating the following expression.  
 $(x + 5)^2$



5 Note: Figure is not to scale.

2. Draw a rectangle illustrating the following expression.  
 $(x + 4)^2$



4 Note: Figure is not to scale.

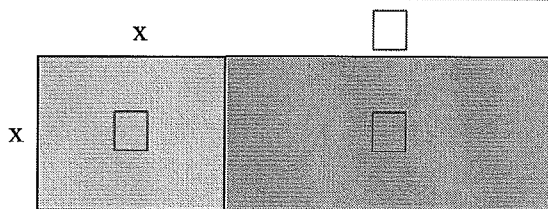
3. Draw a rectangle illustrating the following expression.  
 $(x + 3)^2$



3 Note: Figure is not to scale.

4. Complete the rectangle to illustrate this product.

$x(x + 2)$



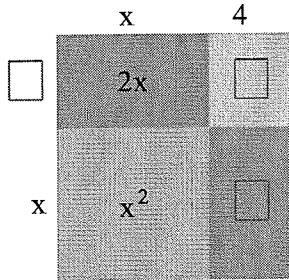
**Student:** klecenda fort  
**Date:** 12/8/14  
**Time:** 8:30 AM

**Instructor:** klecenda fort  
**Course:** Group 2  
**Book:** \*Connected Mathematics 3  
(Grades 6-8)

**Assignment:** Homework 16

5. Complete the rectangle to illustrate this product.

$$(x + 4)(x + 2)$$



6. Find the product.

$$(x - 9)(x + 9)$$

$$(x - 9)(x + 9) = \square \text{ (Simplify your answer.)}$$

7. Find the product of the two binomials.

$$(x + 7)(x + 2)$$

$$(x + 7)(x + 2) = \square \text{ (Simplify your answer.)}$$

8. Find the product of the two binomials.

$$(-8x + 5)(7x + 4)$$

$$(-8x + 5)(7x + 4) = \square \text{ (Simplify your answer.)}$$

9. Find the product of the two binomials.

$$(x + 4)(x + 2)$$

$$(x + 4)(x + 2) = \square \text{ (Simplify your answer.)}$$

10. Complete the factoring.

$$x^2 + 12x + 35$$

$$x^2 + 12x + 35 = (x + 5)(\square)$$

**Student:** klecenda fort  
**Date:** 12/8/14  
**Time:** 8:30 AM

**Instructor:** klecenda fort  
**Course:** Group 2  
**Book:** \*Connected Mathematics 3  
(Grades 6-8)

**Assignment:** Homework 16

11. Factor the expression.

$$x^2 + 9x + 20$$

---

$$x^2 + 9x + 20 = \square$$

12. Factor the expression.

$$x^2 + 7x + 12$$

---

$$x^2 + 7x + 12 = \square$$

13. Factor the expression.

$$n^2 - 18n + 56$$

---

$$n^2 - 18n + 56 = \square$$