

Name: 

## Algebra 1 Chapter 7 Practice Test

1. Find the sum.  
 $(-7r^2s - 8rs) + (-3r^2s - rs + 2) + (-4rs + 2)$   
 a.  $-10r^2s - 11rs + 4$   
 b.  $-11r^2s - 12rs + 4$   
 c.  $-13r^2s - 13rs - 7$   
 d.  $-10r^2s - 13rs + 4$
2. Subtract.  
 $(x^3 - 2x + 5) - (2x^3 - 3x^2 + 4x - 3)$   
 a.  $-x^3 - x^2 - 6x + 8$   
 b.  $-x^3 + 3x^2 - 6x + 8$   
 c.  $x^3 - x^2 + 6x - 8$   
 d.  $x^3 + x^2 + 6x - 8$
3. Carlita has a rectangular swimming pool in her back yard that has a length of 28 feet and a width of 14 feet. She wants to install a concrete walkway of width  $c$  around the pool. Surrounding the walkway, she wants to have a wood deck that extends  $w$  feet on all sides. Find an expression for the perimeter of the wood deck.  
 a.  $392 + 6c + 2w$   
 b.  $42 + 4c + 4w$   
 c.  $84 + 8c + 8w$   
 d.  $72 + 8c + 8w$
4. Multiply  $(x - 4)(5x + 2)$ .  
 a.  $5x^2 + 6x - 8$   
 b.  $5x^2 + 18x - 8$   
 c.  $5x^2 - 18x - 8$   
 d.  $5x^2 - 2$
5. Which is the product  $(x^2 - x + 9)(x - 3)$ ?  
 a.  $x^3 - 4x^2 + 12x - 27$   
 b.  $x^3 - 4x^2 - 27x + 12$   
 c.  $x^3 + 9x - 27$   
 d.  $x^3 - 3x^2 + 9x - 9$
6. A rectangular garden has a length of  $5z + 10$  feet and a width of  $3z$  feet. Which expression represents the area of the garden in square feet?  
 a.  $15z + 30$   
 b.  $15z^2 + 10$   
 c.  $20z^2 + 27z$   
 d.  $15z^2 + 30z$
7. Find the product  $(d + 8)(d - 8)$ .  
 a.  $2d^2 - 64d$   
 b.  $d^2 - 16d - 64$   
 c.  $d^2 - 64$   
 d.  $d^2 + 16d + 64$
8. Find the product  $(4r + 3s)^2$ .  
 a.  $16r^2 + 12rs + 9s^2$   
 b.  $8r^2 + 6s^2$   
 c.  $16r^2 + 24rs + 9s^2$   
 d.  $16r^2 + 9s^2$
9. Solve the equation.  
 $(4 - x)(2x + 10) = 0$   
 a.  $x = -5, x = 4$   
 b.  $x = -10, x = 4$   
 c.  $x = -5, x = -4$   
 d.  $x = -4, x = 5$

# Algebra 1 Chapter 7 Test

**M Walker**



**Algebra 1 Chapter 7 Test:**

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web oct 1 2020 agricultural mechanization and automation have pushed to reduce human labor and increase efficiencies at the same time as creating a safer work environment advances in agricultural mechanization and automation are also promising in terms of addressing the challenges of food security and traceability efforts we are facing in the

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