

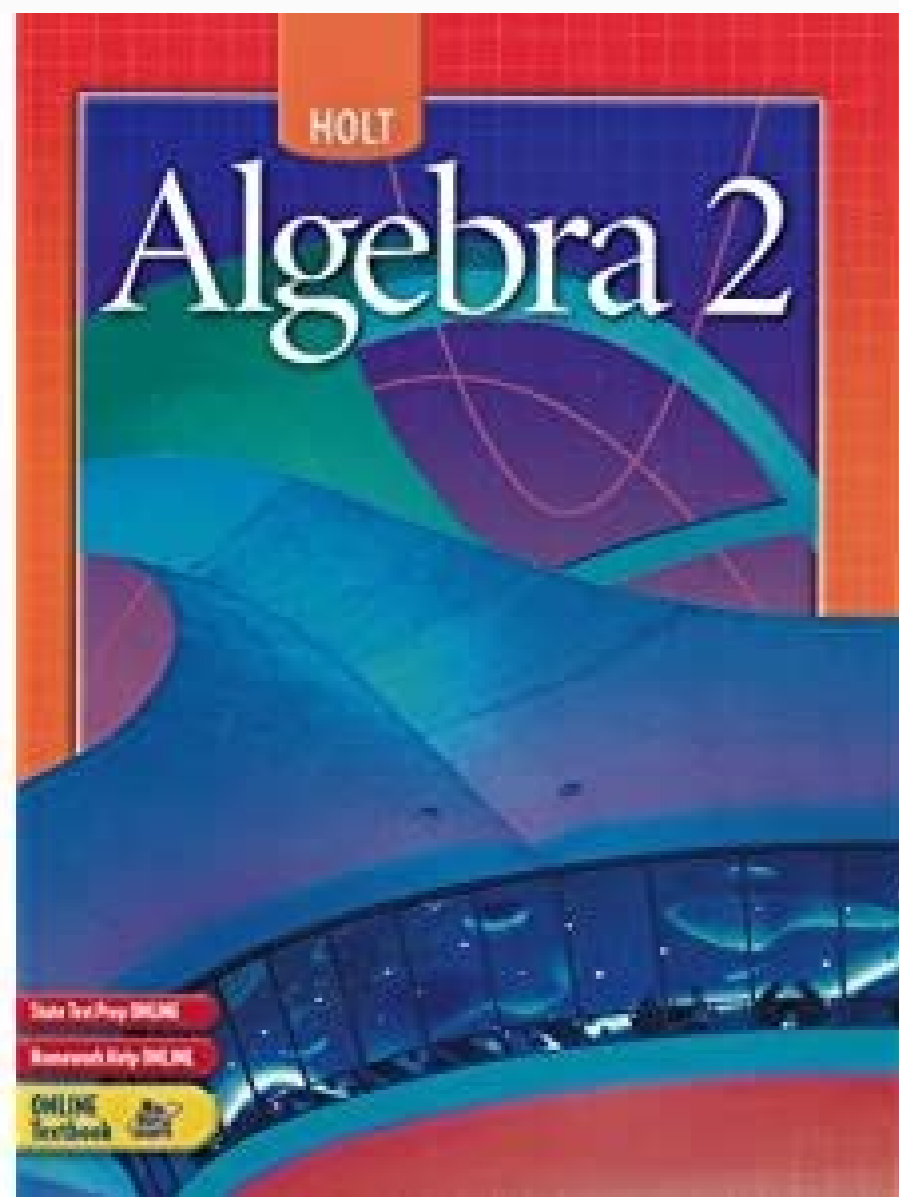
I'm not robot!

Explorations in CORE MATH

FOR COMMON CORE

GRADE
8

- Provides instruction for all Common Core standards
- Integrates standards of mathematical practice to deepen students' understanding
- Includes performance tasks tied to real-world applications
- Provides assessment readiness practice for high-stakes tests



Chapter 4 Test, Form 1

1. $f(x) = x^2 - 2x^2 + 12$	2. $f(x) = x^2 + 4x + 8$
3. $f(x) = -2x^2 + 12$	4. $f(x) = 2x^2 - 1$
5. $f(x) = x^2 + 6x + 9$	6. $f(x) = x^2 - 4x + 7$
7. $(0, 1); x = 0$	8. $(3, 0); x = 3$
9. $(-1, -2); x = -1$	10. quadratic; quad: x^2 ; lin: 2; const: -8
11. quadratic; quad: $3x^2$; lin: 15; const: none	12. linear; quad: none; lin: -25; const: none
13. linear; quad: none; lin: 22; const: -14	14. quadratic; quad: $3x^2$; lin: -4; const: 8
15. quadratic; quad: $3x^2$; lin: -6; const: -7	16. quadratic; quad: $3x^2$; lin: none; const: -12
17. quadratic; quad: $2x^2$; lin: x ; const: -6	18. linear; quad: none; lin: $3x$; const: -5
19. $P(0, 4)$	20. $P(-2, -2)$
21. $P(2, 2)$	22. $P(-1, -1)$
22a. $h = -16t^2 + 272t$	22b. 372 feet

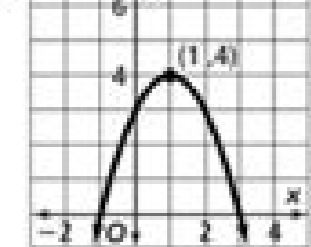
Chapter 5 Answers

Practice 5-1

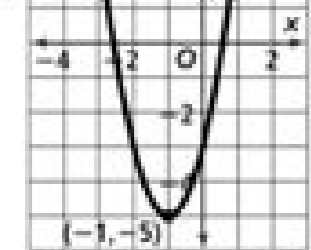
1. $f(x) = x^2$ 2. $f(x) = x^2 + 4x + 8$
 3. $f(x) = -2x^2 + 12$ 4. $f(x) = 2x^2 - 1$
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 7. $(0, 1); x = 0$ 8. $(3, 0); x = 3$ 9. $(-1, -2); x = -1$
 10. quadratic; quad: x^2 ; lin: 2; const: -8 11. quadratic; quad: $3x^2$; lin: 15; const: none 12. linear; quad: none; lin: -25; const: none 13. linear; quad: none; lin: 22; const: -14 14. quadratic; quad: $3x^2$; lin: -4; const: 8 15. quadratic; quad: $3x^2$; lin: -6; const: -7 16. quadratic; quad: $3x^2$; lin: none; const: -12 17. quadratic; quad: $2x^2$; lin: x ; const: -6 18. linear; quad: none; lin: $3x$; const: -5 19. $P(0, 4)$ 20. $P(-2, -2)$ 21. $P(2, 2)$ 22. $P(-1, -1)$
 22a. $h = -16t^2 + 272t$ 22b. 372 feet

Practice 5-2

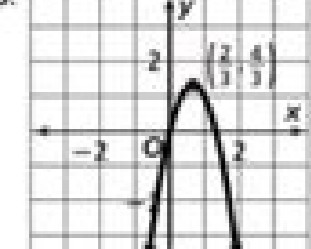
1. $\max(1, 4)$



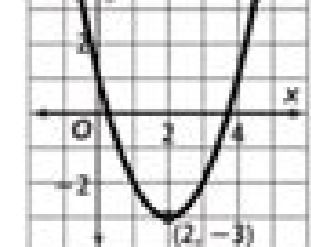
2. $\min(-1, -5)$



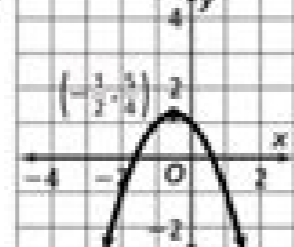
3. $\max(\frac{2}{3}, \frac{4}{3})$



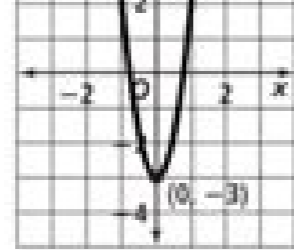
4. $\min(2, -3)$



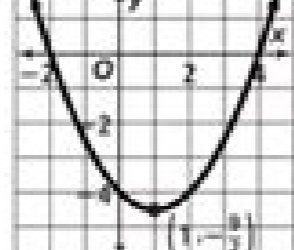
5. $\max(-\frac{1}{2}, \frac{5}{4})$



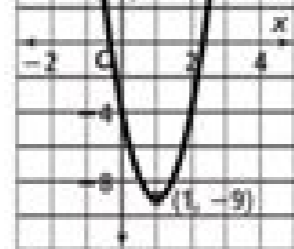
6. $\min(0, -5)$



7. $\min(1, -\frac{9}{2})$



8. $\min(1, -9)$



9. $\min(2, -16)$

