

ANSWER PRESENTATION TOOL

Algebra 1 - Student Edition 7

Chapter Test 1-19

ALL EVEN

Show Solutions

ODD

1. $-p^2 + 4p - 4$; 2; trinomial

2. $5c^6$; 6; monomial

3. $6s^4 - 3t$; 4; binomial

4. $h^2 - 13h + 40$

5. $6w^2 + w - 15$

6. $z^2 - 121$

7. Check the first and last terms to verify they are perfect squares. If they are, find 2 times the product of their square roots. If this matches the middle term, or the opposite of the middle term, it is a perfect square trinomial.

8. yes; A monomial is a type of polynomial, and a number is a type of monomial.

9. $(s - 5)(s - 10)$

10. $(h + 2)(h + 3)(h - 3)$

11. $-(5k - 3)(k + 5)$

12. $n = 1, n = -6, n = -5$

13. $d = -7$

14. $x = 0, x = \frac{1}{3}, x = 4$

15. $\pi r^2 - 6\pi r + 9\pi$

16. a. $(x + 11)$ ft

b. $(4x + 54)$ ft

c. $x = 2$

d. yes; The area of the stage is 234 square feet, and twenty times the area of the trap door is 200 square feet, so the area of the stage is greater than twenty times the area of the trap door.

17. *Sample answer:* $(x - 1)(x - 2)(x - 3) = 0$

18. 1.5 sec

19. a. $(x^3 + 3x^2 - 16x + 12)$ in.³

b. length: 10 in., width: 2 in., height: 3 in.