

ANSWER PRESENTATION TOOL

Blue - Student Edition

10

Chapter Test 1-20

ALL EVEN

Show Sol

ODD

1. $(-15)^3$

2. $\left(\frac{1}{12}\right)^5$

3. -8

4. 13

5. 9^{11}

6. 6^{30}

7. $2^7 \cdot 10^7$

8. $(-3.5)^4$

9. 1

10. $\frac{1}{64}$

11. $30\,000\,000$

11. 50,000,000

12. 0.00905

13. 1.77×10^8

14. 5.86×10^5

15. 8.37×10^4

16. 8×10^{11}

17. no; $(xy^2)^3 =$

$$(xy^2) \cdot (xy^2) \cdot (xy^2) =$$

$$x \cdot x \cdot x \cdot y^2 \cdot y^2 \cdot y^2 = x^3y^6$$

$$(xy^3)^2 = (xy^3) \cdot (xy^3) =$$

$$x \cdot x \cdot y^3 \cdot y^3 = x^2y^6$$

18. 3^6 or 729 grains

19. 1×10^4

20. 1.5×10^{-7} gram per cubic meter