

Name _____

Inverse Property of Operations - Review Sheet Answer Key

Part A:

1. $x = 8$

2. $x = 21$

3. $x = 11$

4. $x + 14 = 28 \Rightarrow x = 14$

5. $x - 11 = 19 \Rightarrow x = 30$

Part B:

6. $x = 5$

7. $x = 45$

8. $x = -4$

9. $\frac{x}{2} + 4 = 10 \Rightarrow \frac{x}{2} = 6 \Rightarrow x = 12$

10. $6x = 72 \Rightarrow x = 12$

Part C:

11. $x = \pm 7$

12. $x = 3$

13. $x = 81$

14. $x = 64$

15. $(x^2)^{1/2} = |x|$

Part D:

16. 5

17. 1

18. 8

19. $f^{-1}(x) = \frac{x-2}{3}$

20. $f(f^{-1}(x)) = x$