

Name _____

Period _____

Algebra 8: 7.1a Assignment**Directions:** Simplify each expression. Include calculations or an explanation to support your answers.

1. 6^{-2}

8. 4.2^0

15. -6^2

2. 3^0

9. $(-3)^{-3}$

16. y^0

3. -5^{-2}

10. 4^{-2}

17. $\left(\frac{2}{5}\right)^0$

4. x^{-3}

11. y^0

18. $(-4)^2$

5. 1^{-8}

12. x^{-4}

19. $(-3)^{-1}$

6. -8^{-3}

13. 3^{-4}

20. -7^{-1}

7. 10^{-2}

14. $-x^{-2}$

21. $\left(\frac{1}{2}\right)^{-2}$