

8-4 Negative Exponents

Name: _____

Time Start: _____ Finish: _____ Total Time = _____

Simplify. Display answers without negative exponents.

_____ 1. $n^{-4} \cdot n^7$

_____ 2. $n^{-1} \cdot n^9$

_____ 3. $n^{-3} \cdot y^5 \cdot n^{-2} \cdot y^{-3}$

_____ 4. $n^{-5} \cdot n^7$

_____ 5. $b^{-8} \cdot b^7$

_____ 6. $n^{-10} \cdot n^{13}$

_____ 7. $n^{-3} \cdot y^5 \cdot n^{-2} \cdot y^{-3}$

_____ 8. $a^{-5} \cdot a^{10} \cdot a^{-3}$

_____ 9. $\frac{n^{-3}a}{n^2a^{-2}}$

_____ 10. $\frac{n^{-6}a}{n^2a^{-1}}$

_____ 11. $\frac{y^3e^{-5}s^3}{y^7e^2s^{-4}}$

_____ 12. $\frac{c^3w^{-5}h^{-1}}{c^{-1}w^{-2}h}$

_____ 13. $\frac{n^{-7}a^3}{n^2a^{-2}}$

_____ 14. $\frac{n^6a^{-3}}{n^2a^4}$

_____ 15. $\frac{n^3p^{-3}s^3}{n^7p^2s^{-1}}$

_____ 16. $\frac{c^6w^{-5}h^{-3}}{c^1w^{-1}h^3}$

_____ 17. $\frac{n^{-2}}{n^2}$

_____ 18. $\frac{n^{-1}a^3}{n^2a^{-1}}$

_____ 19. $\frac{y^3e^{-5}s^3}{y e s}$

_____ 20. $\frac{c^6w^5h^{-1}}{c^{-2}w^{-2}h^3}$