

Sprint 2: Simplify each item as much as possible. Answers should have only positive exponents. All letters denote numbers.

1.	$11^5 \cdot 11^{-4} =$
2.	$11^5 \cdot 11^{-3} =$
3.	$11^5 \cdot 11^{-2} =$
4.	$7^{-7} \cdot 7^9 =$
5.	$7^{-8} \cdot 7^9 =$
6.	$7^{-9} \cdot 7^9 =$
7.	$(-6)^{-4} \cdot (-6)^{-3} =$
8.	$(-6)^{-4} \cdot (-6)^{-2} =$
9.	$(-6)^{-4} \cdot (-6)^{-1} =$
10.	$(-6)^{-4} \cdot (-6)^0 =$
11.	$x^0 \cdot x^1 =$
12.	$x^0 \cdot x^2 =$
13.	$x^0 \cdot x^3 =$
14.	$(12^5)^9 =$

15.	$(12^6)^9 =$
16.	$(12^7)^9 =$
17.	$(7^{-3})^{-4} =$
18.	$(7^{-4})^{-4} =$
19.	$(7^{-5})^{-4} =$
20.	$\left(\frac{3}{7}\right)^8 =$
21.	$\left(\frac{3}{7}\right)^7 =$
22.	$\left(\frac{3}{7}\right)^6 =$
23.	$\left(\frac{3}{7}\right)^5 =$
24.	$(18xy)^5 =$
25.	$(18xy)^7 =$
26.	$(18xy)^9 =$
27.	$(5 \cdot 2^{-2})^3 =$
28.	$(5 \cdot 2^{-3})^3 =$

29.	$(5 \cdot 2^{-4})^3 =$
30.	$(22^6)^0 =$
31.	$(22^{12})^0 =$
32.	$(22^{18})^0 =$
33.	$\left(\frac{4}{5}\right)^{-5} =$
34.	$\left(\frac{4}{5}\right)^{-6} =$
35.	$\left(\frac{4}{5}\right)^{-7} =$
36.	$\left(\frac{6^{-2}}{7^5}\right)^{-11} =$

37.	$\left(\frac{6^{-2}}{7^5}\right)^{-12} =$
38.	$\left(\frac{6^{-2}}{7^5}\right)^{-13} =$
39.	$\left(\frac{6^{-2}}{7^5}\right)^{-15} =$
40.	$\frac{42ab^{10}}{14a^{-9}b} =$
41.	$\frac{5xy^7}{25x^7y} =$
42.	$\frac{22a^{15}b^{32}}{121ab^{-5}} =$
43.	$(7^{-8} \cdot 49)^{-5} =$
44.	$(36^9)(216^{-2}) =$