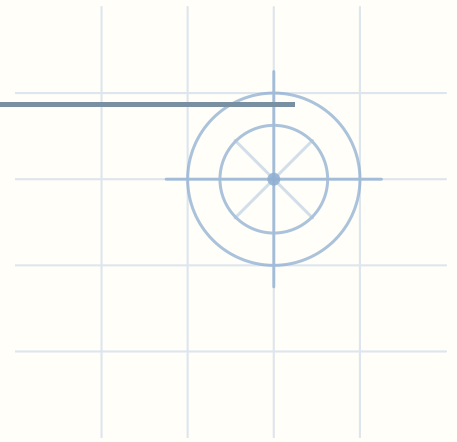


Laws of exponents — All three rules

Name: _____

Date: _____

Write each one as a single power. Give the exponent n .



1 $(9^1)^3 = 9^n$, $n =$ _____

2 $(2^1)^5 = 2^n$, $n =$ _____

3 $11^8 \div 11^1 = 11^n$, $n =$ _____

4 $12^7 \div 12^{13} = 12^n$, $n =$ _____

5 $12^9 \times 12^5 = 12^n$, $n =$ _____

6 $11^{11} \div 11^{11} = 11^n$, $n =$ _____



Laws of exponents · All three rules — Answer key

1. $(9^1)^3 = 9^3$

2. $(2^1)^5 = 2^5$

3. $11^8 \div 11^1 = 11^7$

4. $12^7 \div 12^{13} = 12^{-6}$

5. $12^9 \times 12^5 = 12^{14}$

6. $11^{11} \div 11^{11} = 11^0$

