

Recognizing Properties of Operations

Answers

1. $4x + 5 = 5 + 4x$ because of the commutative property of addition
2. $(123)1 = 123$ because 1 is the identity element for multiplication
3. $6(3x) = 18x$ because multiplication is associative so $6(3x) = (6 \times 3)x$
4. $5x = 1$ so $x = 1/5$ because x is the multiplicative inverse of 5
5. $4(6) + 7(6) = 11(6)$ because of the distributive property
6. $3(4 \times 5)$ does not equal $(3 \times 4)(3 \times 5)$ because multiplication does not distribute over multiplication.