1. Complete the following table with the properties used to solve $4(x+3)=20$.

Statements	Proof (Reasons)
$4(x+3)=20$	Given
$4x+12=20$	Distributive Property
$4x=8$	Subtraction Property
$x=2$	Division Property

2. Complete the following table with the mathematical statements that correspond to the proofs used to solve $\frac{4(x-3)}{3} = 20$.

Statements	Reason / Proof
$\frac{4(x-3)}{3} = 20$	Given
$4(x-3) = 60$	Multiplication Property of Equality
$4x - 12 = 60$	Distributive Property
$4x = 72$	Addition Property of Equality
$x = 18$	Division Property of Equality

3. Fill in the two-column algebra proof.

Given: $5y + 4 = 2(y + 3) + 1$

Prove: $y = 1$

Statements	Reasons
$5y + 4 = 2(y + 3) + 1$	Given
A. $5y + 4 = 2y + 6 + 1$	Distributive Property
B. $5y + 4 = 2y + 7$	F. Simplify/Combine Like terms
C. $3y + 4 = 7$	G. Subtraction Property
D. $3y = 3$	H. Subtraction Property
E. $y = 1$	I. Division Property

[redacted]

[redacted]