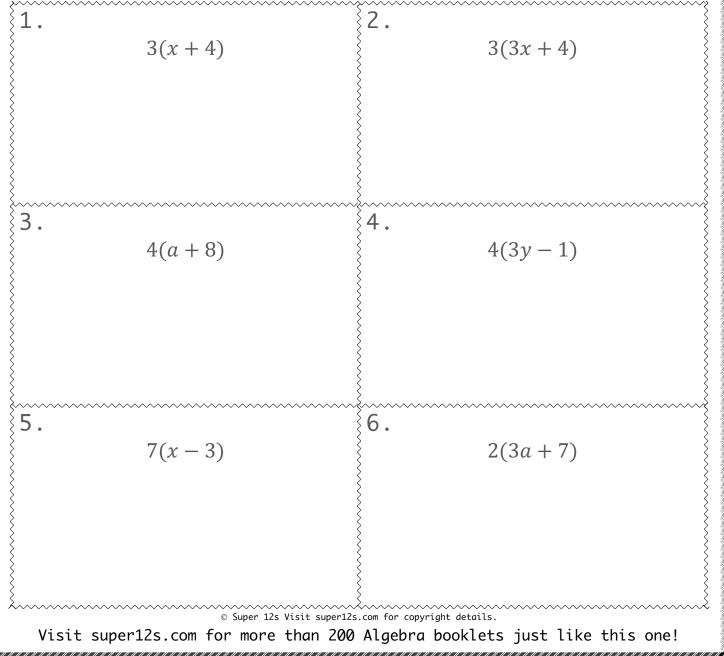
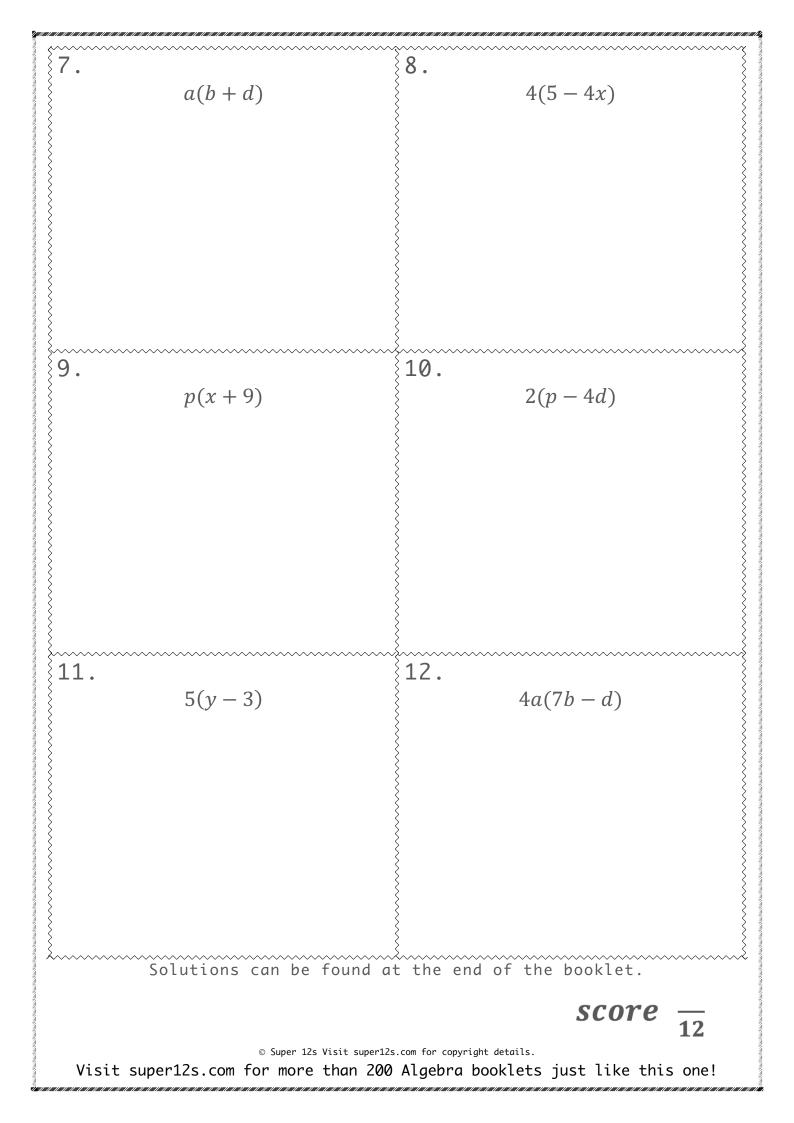


**Skill description:** Confirmation of the distributive law through substitution.







# STRATEGIES TO SOLVE THE PROBLEMS

Example 1

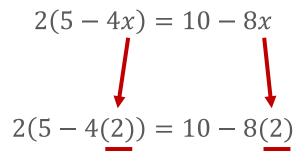
Show that

$$2(5 - 4x) = 10 - 8x$$

by substituting x = 2.

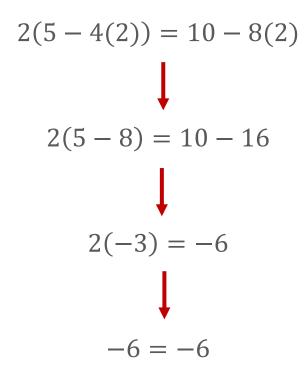
### Step 1

Substitute the value 2 in for x on both sides of the equal sign.



#### Step 2

Now evaluate both the left and right-hand sides of the equal sign.



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Example 2

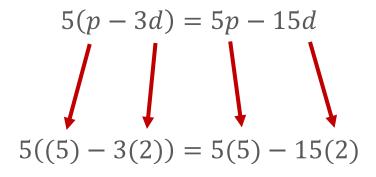
Show that

$$5(p-3d) = 5p - 15d$$

by substituting p=5 and d=2.

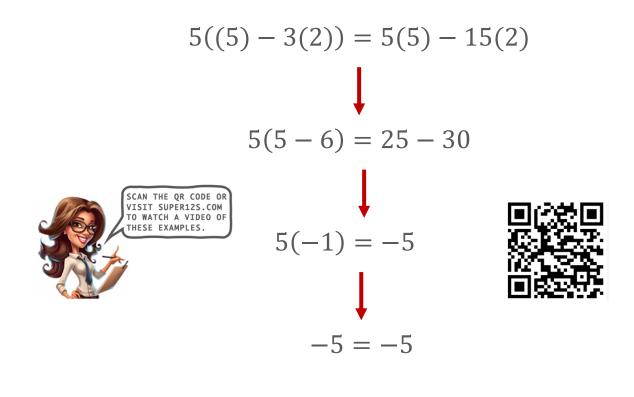
## Step 1

Substitute the value 5 in for p and 2 in for d on both sides of the equal sign.



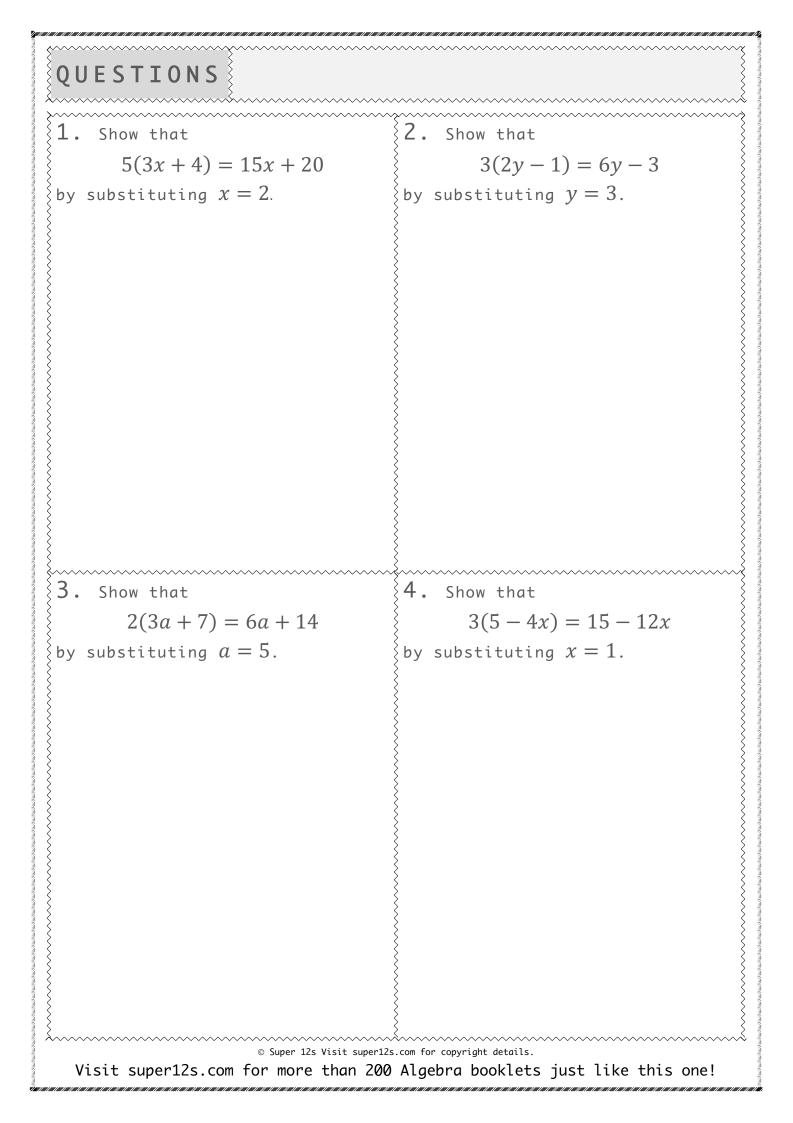
# Step 2

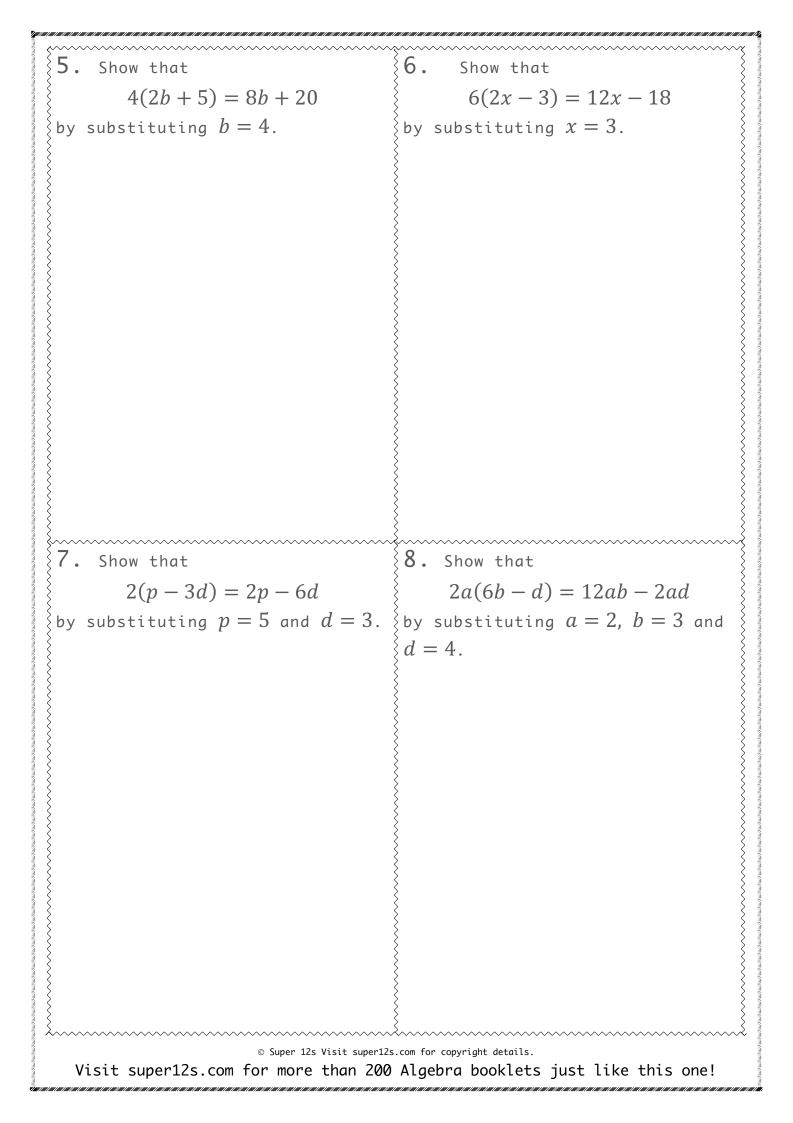
Now evaluate both the left and right-hand sides of the equal sign.

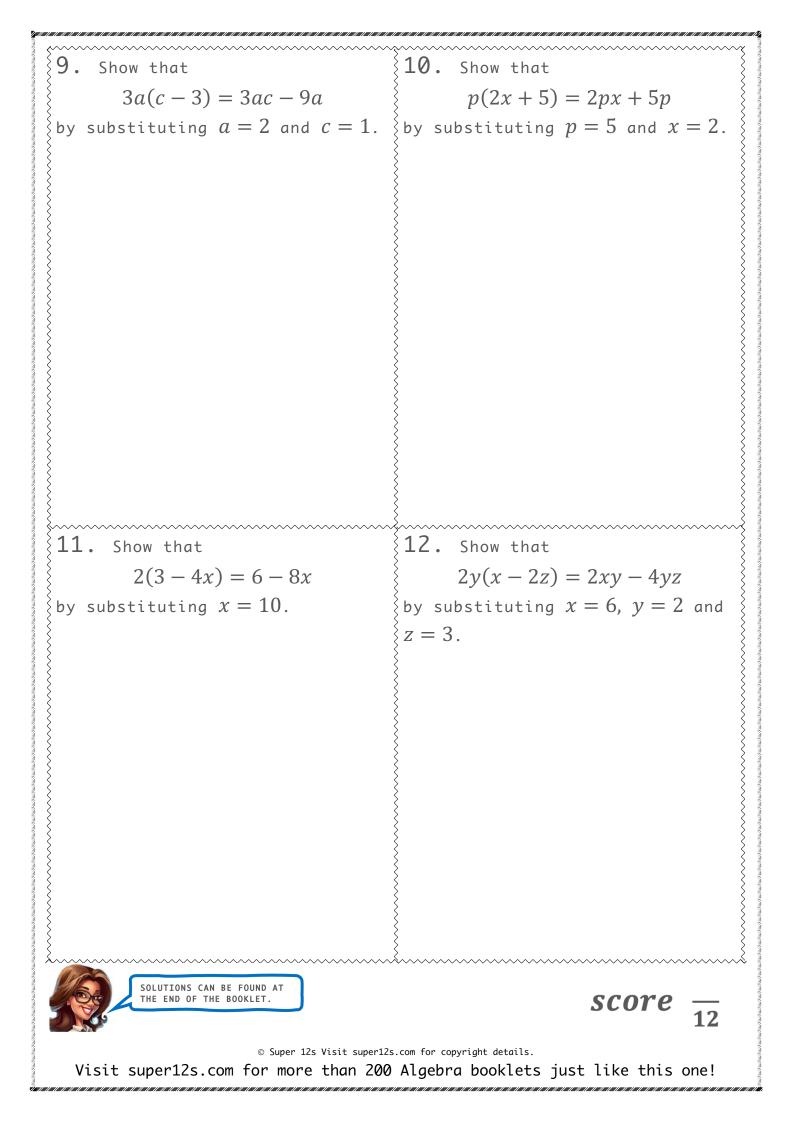


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MA	STERY TEST
Teacher's signature	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
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I'VE COMPLETED	SUPER IDS SUPER IDS
	CELEBRATING PROGRESS CELEBRATING PROGRESS This certificate is awarded to This certificate is awarded to
	For completing 25 mathematics levels this year For completing 50 mathematics levels this year For completing 50 mathematics levels this year
LEVELS THIS YEAR	
Colutions to Eccontial Pavi	
Solutions to Essential Revi $1.  3x + 12$	32. 9x + 12
3. 4a + 32	4. 12y - 4
	6. 6a + 14
7. ab + ad	8. 20 - 16x
9. $px + 9p$	10. 2p - 8d
11. $5y - 15$	12. 28ab - 4ad
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~
Solutions to Questions	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
1. $50 = 50$	2. 15 = 15
3. 44 = 44	4.3 = 3
5. $52 = 52$	6. 18 = 18
78 = -8	
9. $-12 = -12$	10. 45 = 45
11. $-74 = -74$	312. 0 = 0