

# RECHNEN MIT VARIABLEN

$$2a \cdot 4a = 8a^2$$

$$5 \cdot 4a = 20a$$


$$(2a + 5) \cdot (4a - 2b) = 8a^2 + 20a - 4ab - 10b$$

$$2a \cdot (-2b) = -4ab$$

$$5 \cdot (-2b) = -10b$$

B

1.	$(3a + 2) \cdot (2a - 3) =$
2.	$(4 + a) \cdot (2b + 2) =$
3.	$(2b + a) \cdot (3b - 4) =$
4.	$(7 + 4b) \cdot (b + 3) =$
5.	$(8a - 2b) \cdot (4b + 1) =$
6.	$(2a + 2b) \cdot (2b - 2a) =$
7.	$(4 + a) \cdot (2b + 5) =$
8.	$(2a - 5) \cdot (4a + 2) =$
9.	$(4 - 4b) \cdot (a + b) =$
10.	$(a^2 - 1) \cdot (4 + 2b) =$
11.	$(3a^2 + 3b) \cdot (b + 2) =$
12.	$(b^2 + 6) \cdot (3a - 4) =$
13.	$(3b^2 + a^2) \cdot (2a - 2) =$
14.	$(4a^2 - b) \cdot (3a + 2b) =$
15.	$(2b^2 - 3a) \cdot (4 + 3b) =$
16.	$(5 + 3b^2) \cdot (3b + 2) =$
17.	$(4a^3 + 7) \cdot (2b + 2a) =$
18.	$(2a^2 - 3b) \cdot (a - 2b^2) =$

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## LÖSUNGEN

$8a^2 - 16a - 10$	<b>M</b>	$2a + 2ab + 8b + 8$	<b>E</b>	$-12a - 9ab + 6b^3 + 8b^2$	<b>N</b>
$6a^2 + 3a^2b + 3b^2 + 6b$	<b>P</b>	$2a^3 + 2ab + 8b - 6$	<b>U</b>	$4a^2 + 2a^2b - 2b - 4$	<b>T</b>
$8a^4 + 14a + 8a^3b + 14b$	<b>E</b>	$-4a^2 + 4b^2$	<b>E</b>	$4b^2 + 19b + 21$	<b>H</b>
$6a^2 - 5a - 6$	<b>R</b>	$18a + 3ab^2 - 4b^2 - 24$	<b>O</b>	$2a^3 - 4a^2b^2 - 3ab + 6b^3$	<b>N</b>
$4a + 4ab - 2b^2 - 2b$	<b>A</b>	$4a - 4ab - 4b^2 + 4b$	<b>I</b>	$2a^3 - 2a^2 + 6ab^2 - 6b^2$	<b>T</b>
$12a^3 + 8a^2b - 3ab - 2b^2$	<b>E</b>	$9b^3 + 6b^2 + 15b + 10$	<b>Z</b>	$5a + 2ab + 8b + 20$	<b>N</b>
$8a + 32ab - 8b^2 - 2b$	<b>N</b>	$-4a + 3ab + 6b^2 - 8b$	<b>C</b>	$8a^3 + 2a^2b - 4b^2 + 4$	<b>B</b>

## LÖSUNGSSATZ

1	2	3	4	5	6	7		8	9	10		11	12	13	14	15	16	17	18	