Equations with variables on both sides and brackets

1. $x + 5 = 3(x + 1)$
2. $3(x + 5) = x + 1$
3. $3(x + 5) = 3(2x + 1)$
4. $3(x + 5) = 3(2x - 1)$
5. $3(x - 5) = 3(2x - 1)$
6. $3(2x - 5) = 3(x - 1)$
7. $3(x - 5) = 3(2x + 1)$
8. $3(x - 5) = -3(2x + 1)$
9. $-3(x + 5) = -3(2x + 1)$
10. $-3(x - 5) = -3(2x + 1)$
11. $-3(x - 5) = -3(2x - 1)$
12. $-3(2x - 1) = -3(x - 5)$

ANSWERS:

$x + 5 = 3(x + 1)$

$x = 1$

$3(x + 5) = x + 1$

$x = -7$

$3(x + 5) = 3(2x + 1)$

$x = 4$

$3(x + 5) = 3(2x - 1)$

$x = 6$

$3(x - 5) = 3(2x - 1)$

$x = -4$

$3(2x - 5) = 3(x - 1)$

$x = 4$

$3(x - 5) = -3(2x + 1)$

$x = -6$

$-3(x + 5) = -3(2x + 1)$

$x = \frac{12}{9}$

$-3(x - 5) = -3(2x + 1)$

$x = 4$

$-3(x - 5) = -3(2x - 1)$

$x = -4$

$-3(2x - 1) = -3(x - 5)$

$x = -4$