Apply the Distributive Property to Combine Like Terms

Use the distributive property, then simplify each expression by combining like terms.

① $2(5x + 10)$

② $-6(6 + 4x)$

③ $9(-7y + 5)$

④ $-x - (1 + 8x)$

⑤ $6(n - 8) - 9(1 - 10n)$

⑥ $4g + 3(g - 1)$

⑦ $-(x + 3) + 8(1 - 6x)$

⑧ $-9(1 - 9a) + 7(2 + 9a)$

⑨ $-7(8 + 8x) - 6x$

⑩ $10(n + 5) - 5n$

⑪ $-4(1 - 8x) - 4(8x + 4)$

⑫ $-(3p + 2) - 3(5p + 7)$

Apply the Distributive Property to Combine Like Terms

MATH MONKS

Answers

① $2(5x + 10)$

$10x + 20$

② $-6(6 + 4x)$

$-36 - 24x$

③ $9(-7y + 5)$

$-63y + 45$

④ $-x - (1 + 8x)$

$-9x - 1$

⑤ $6(n - 8) - 9(1 - 10n)$

$96n - 57$

⑥ $4g + 3(g - 1)$

$7g - 1$

⑦ $-(x + 3) + 8(1 - 6x)$

$-49x + 5$

⑧ $-9(1 - 9a) + 7(2 + 9a)$

$5 + 144a$

⑨ $-7(8 + 8x) - 6x$

$-56 - 62x$

⑩ $10(n + 5) - 5n$

$5n + 50$

⑪ $-4(1 - 8x) - 4(8x + 4)$

-20

⑫ $-(3p + 2) - 3(5p + 7)$

$-18p - 23$