



Different Ways to Say the Same Thing

Applying Skills

Tell whether the two expressions in each pair are equivalent.

Show work and reasons here
↓

1. xy and yx
2. $3(a + b)$ and $3a + b$
3. $2x - y$ and $y - 2x$
4. $5(a - b)$ and $5a - 5b$
5. $x - 2y$ and $-2y + x$
6. $6(a + b) + a$ and $7a + 6b$
7. $2x + 3y$ and $5x$
8. $\frac{x}{y}$ and $\frac{y}{x}$
9. $\frac{1}{3}x$ and $\frac{1}{3x}$
10. Which expressions are equivalent to the expression $2(x - y)$?
 - a. $2y - 2x$
 - b. $2x - 2y$
 - c. $2x - y$
 - d. $x + x - 2y$
11. Which expressions are equivalent to the expression $2a + 5(b - a)$?
 - a. $2a + 5(a - b)$
 - b. $5b - 3a$
 - c. $a + 5b$
 - d. $-3a + 5b$
12. Which expressions are equivalent to the expression $3x + 2y - x^2$?
 - a. $2x + 2y$
 - b. $2y + 2x$
 - c. $2(x + y)$
 - d. $4x$