

Equivalent Algebraic Expressions

1) Which of these expressions are equivalent to $y + y + y + y + 1 + 1$?

- a) $7y + 5$ b) $2(2y + 1)$ c) $4y + 2$ d) $2y + 2y + 2$

2) Which of these expressions are not equivalent to $2(4x - 2)$?

- a) $9x$ b) $5x - 3$ c) $4(2x - 1)$ d) $8x - 3 - 1$

3) Which of these expressions are equivalent to $3(3v + 2v) + 3$?

- a) $15v + 3$ b) $4(4v)$ c) $3(5v + 1)$ d) $7v + 8v + 3$

4) Which of these expressions are equivalent to $5a + 2 + 2 - a$?

- a) $9a(3)$ b) $6a + 4 - 2a$ c) $8a + 7$ d) $4a + 4$

5) Which of these expressions are equivalent to $-4(2m)$?

- a) $-3m - 5m$ b) $-8m$ c) $2(-3m - m)$ d) $3m - 8m$

6) Which of these expressions are not equivalent to $2c + 2 + 1 + 3c$?

- a) $5(3c + 1)$ b) $c + 4c + 3$ c) $9c$ d) $3 + 5c$