

# Equivalent Algebraic Expressions

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1) Which of these expressions are not equivalent to  $5(3 - 2k)$ ?

- a)  $5k + 9$                       b)  $8k$                       c)  $-10k + 15$                       d)  $15 - 4k - 6k$

2) Which of these expressions are equivalent to  $4(6q - 5q) + 8$ ?

- a)  $6(2q)$                       b)  $4q$                       c)  $2q + 2q + 8$                       d)  $4q + 8$

3) Which of these expressions are equivalent to  $6r + r + 3 + 6$ ?

- a)  $7r + 9$                       b)  $7r + 1 + 8$                       c)  $3(4r)$                       d)  $8r - r + 9$

4) Which of these expressions are not equivalent to  $2(3z)$ ?

- a)  $5z + 2z$                       b)  $7z + 3z$                       c)  $8z$                       d)  $6z$

5) Which of these expressions are equivalent to  $-5t + 3 - 2t + 4$ ?

- a)  $13t$                       b)  $9(2t)$                       c)  $7 - 6t - t$                       d)  $7(1 - t)$

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

- a)  $3(w + 1)$                       b)  $3 + 2w + w$                       c)  $-8w - 2$                       d)  $3w + 3$