Practice worksheet | Algebraic expressions

Equivalent linear expressions

Name: _____ Date: _____

6 questions | 14 marks

1. Show that $2(x + 5)$ and $2x + 10$ are equivalent. [2 marks]

2. Show that $5x + 3x - 4$ and $8x - 4$ are equivalent. [2 marks]

3. Is $3(x - 2)$ equivalent to $3x - 2$? Give a counterexample. [2 marks]

4. Simplify $6(x+1)-2x$ and compare with $4x+6$. [2 marks]

5. Why is checking $2x+1$ and $3x$ only at $x=1$ not enough? [3 marks]

6. Give an expanded expression and a factorised expression equivalent to $12x+8$. [3 marks]