

Simplify the following:

1) $4(5x + 2) - 7x$

Factor the following expressions using the greatest common factor.

8) $4x - 8$

2) $-5 + 2(12 - 3x)$

9) $14x + 35$

3) $(7x - 6) - (5x - 8)$

10) $15x - 29$

Determine if the following expressions are equivalent. **Explain how you know.**

4) $3x - 2(4x - 12)$

11) $15x - 9$ and $3(5x - 3)$

5) $(-10x + 35) + (14x - 20)$

12) $12x + 15$ and $4x + 5 - 16x + 10$

6) $\frac{1}{3}(24v - 15) - 30v$

13) $-3x + 12 - (-x + 2)$ and $-2(x - 5)$