

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

1) $-6x + 12$ and $2x + 1 - 8x + 11$

2) $-8 - 10x$ and $-16x - 2$

Simplify the following expressions

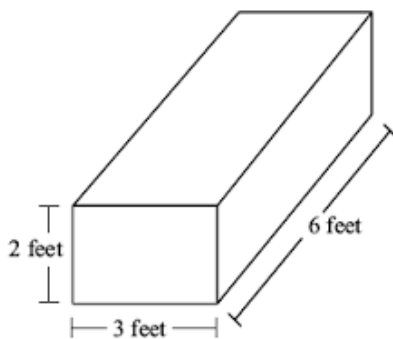
3) $3x - 9 + 17 - 12x$

4) $-5(3x + 2) - 11$

Calculate the volume of the rectangular prism.

Prism: $V = Bh$

5)



Solve the following equations. Then prove that your solution is correct.

6) $3x = 12$

7) $22 = -4r$

8) $15 = 9d$

9) $c - 12 = 15$

10) $\frac{h}{3} = 5$