

Simplify each expression to find an equivalent expression.

1) $4x + 3 - 2(x - 5)$

2) $3(2x + 4) - 6x$

3) $2(-3x - 1) - 4$

4) Determine whether the following expressions are equivalent or not. Explain how you know.

$-4x - 3 - 5x$ and $9x - 3$

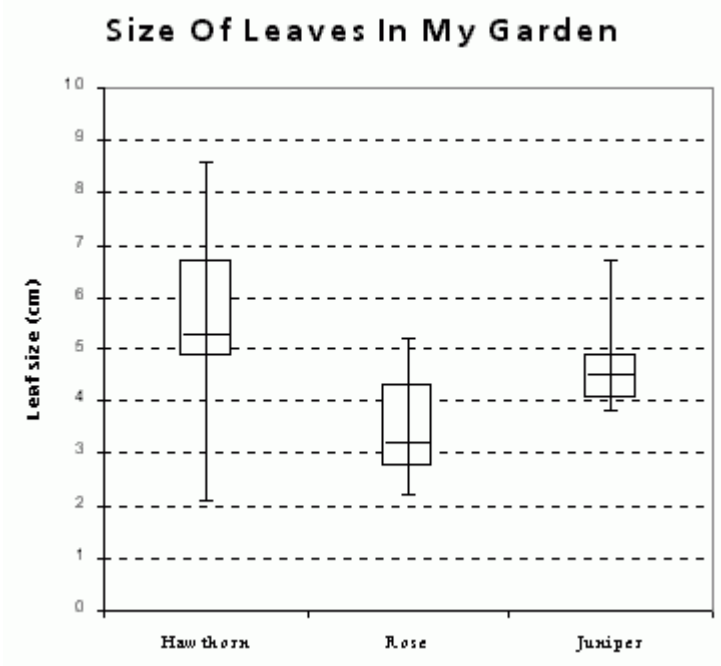
5) What is the circumference of a circle with a radius of 5 cm?

6) What is the area of a circle with a diameter of 22 feet?

7) Explain whether or not 4 is a solution to the following equation: $3x - 15 = -3$.

8) Explain whether or not -2 is a solution to the following equation: $\frac{x}{2} - 3 = -6$

Use the box plots to answer questions 9 and 10.



9) Which type of leaf has a bigger size overall? Explain how you know.

10) Which type of leaf has the greatest variation in size? Explain how you know.