

Solve the following equations:

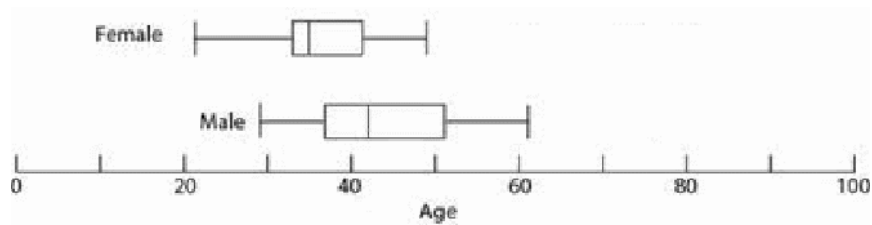
1)  $\frac{x+3}{4} = -5$

2)  $\frac{x-5}{2} = 6$

3)  $\frac{2}{3}x - \frac{4}{5} = \frac{5}{3}$

4)  $-\frac{5}{4}x + \frac{7}{2} = -\frac{5}{2}$

5) Which of the box plots below will have the bigger MAD? How do you know?



6) Find the area of a circle that has a diameter of 22 feet.

7) Determine if the two expressions are equivalent. Explain, using math or English sentences, how you know.  
 $4(3x + 5) - 8$  and  $12x + 20$

8) Factor the expression below:

$$12x + 18$$

9) Explain, using complete sentences, how  $x = 5$  is different from  $x > 5$ .

10) Graph the equation:  $x \neq 1$ .

