Solving Equations and Inequalities with Fractions

Directions: Solve each equation.

1.
$$\frac{3}{7}y+4=1$$

2.
$$9 - \frac{3}{4}t = 12$$

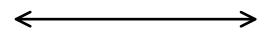
$$3. -\frac{5}{3}a + 3 = 23$$

4.
$$\frac{x}{2} - 4\frac{1}{3} = -2\frac{1}{4}$$

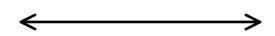
5.
$$1\frac{1}{2} + \frac{x}{-2} = 3\frac{1}{2}$$

Directions: Solve and graph each inequality.

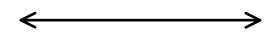
$$6. \ \frac{1}{7}w + \frac{53}{56} \le \frac{6}{7}$$



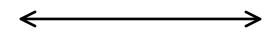
7.
$$-\frac{1}{6}x + \frac{2}{3} > \frac{1}{4}$$



$$8. -\frac{2}{5}m + \frac{2}{15} < \frac{2}{3}$$



9.
$$-45 \le -\frac{m}{2} + 4$$



10.
$$\frac{n}{-5} + 3.2 \ge 1.4$$

