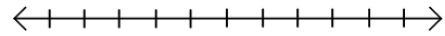
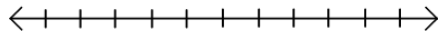


Solve the following inequalities and graph the solution on a number line.

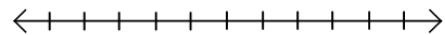
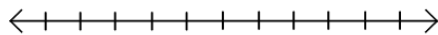
1) $3(x - 2) > -12$

2) $-2(x - 5) < -5$



3) $4(3 + x) \geq -9$

4) $-\frac{1}{2}(2x + 6) \leq -6$



5) Given the following inequalities, which one would you flip the symbol when solving? Explain how you know.

a. $4x - 8 > 2$

b. $6 - 2x < -3$

6) Which fraction is the smallest? Show how you know.

$$\frac{3}{5} \quad \frac{10}{17} \quad \frac{15}{22} \quad \frac{30}{54} \quad \frac{60}{121}$$

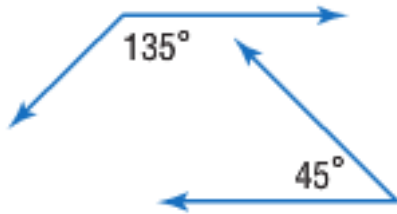
Add the following fractions.

7) $-\frac{2}{5} + \frac{1}{7}$

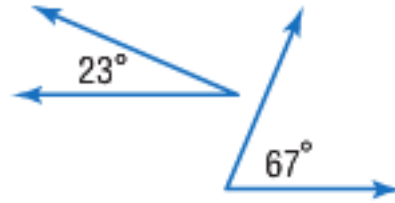
8) $-\frac{4}{5} + \frac{5}{6}$

9) Identify each pair of angles as complementary, supplementary, or neither.

a)



b)



10) Use the figure on the right to find the following.

a) a pair of supplementary angles

b) a pair of complementary angles

c) a pair of vertical angles

