SOLVING INEQUALITIES

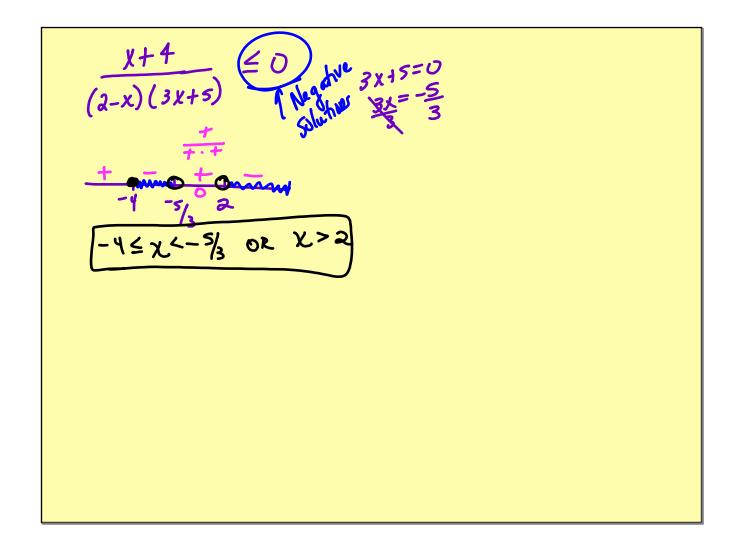
$$-\frac{2x}{-2} \times \frac{16}{-2} \times \frac{1.2}{-2} \times \frac{1.$$

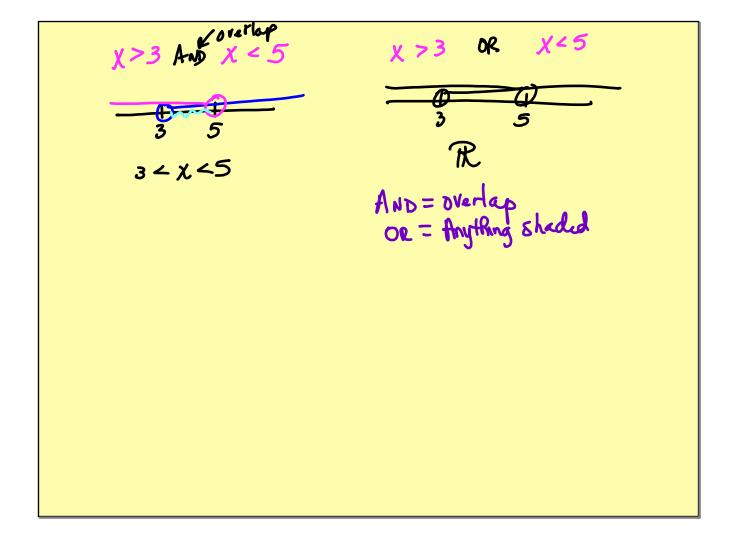
 $(x+7) (2x-1) \ge 0$ -10 - 7 - 7 - 7 - 1 = 0 x < -7 - 0 = x > 1/2 x < -7 - 0 = x > 1/2

Testing Points

* use when variables
are multiplied or divided

- 1) Find where each quantity
- a) Determine open closed circles.
- 3) Test a point in each intend for + or -.
- 4) Using < 0 de >0, Shade - or + solutions
 - 5) Write the solution in symbols.





$$2m+7 < 5m-9 \le 3m+2$$
 $-3 = 2y+9$ or $18-4y < -10$
 $2m+7 < 5m-9 \le 5m-9 \le 3m+2$ $-12 = 2y$ $\frac{28}{4} = \frac{4y}{4}$
 $-2m+9 = -2m+9 = -3m+4 = \frac{11}{3}$
 $16 < m$
 $16 < m \le 11$
 $3 <$