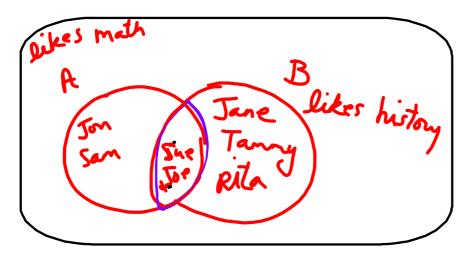
2.5 Solving Compound Inequalities

WARM-UP:



Who likes math OR history?

Who likes math AND history?

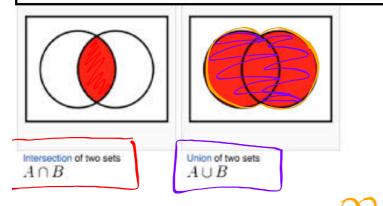
Oct 20-11:32 AM

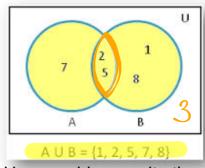
Conjunction Words

OR "Union" (solution must work for one <u>or</u> the other inequality)

AND "Intersection" (solution must work for both inequalities at the same time)





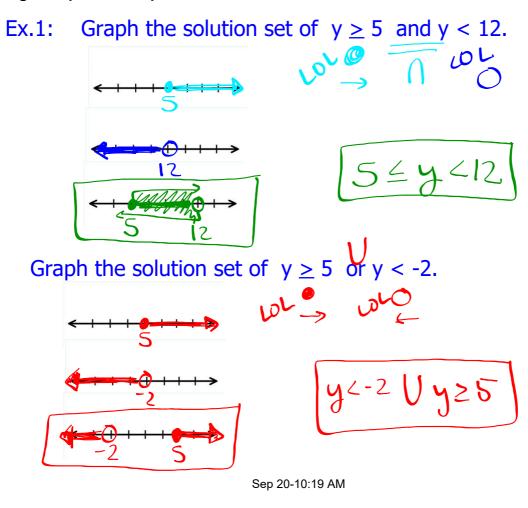


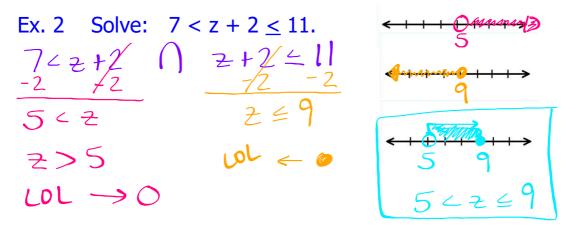
How would you write the

intersection of the 2 sets:

ANB={2,53

2.5 Solving Compound Inequalities with work

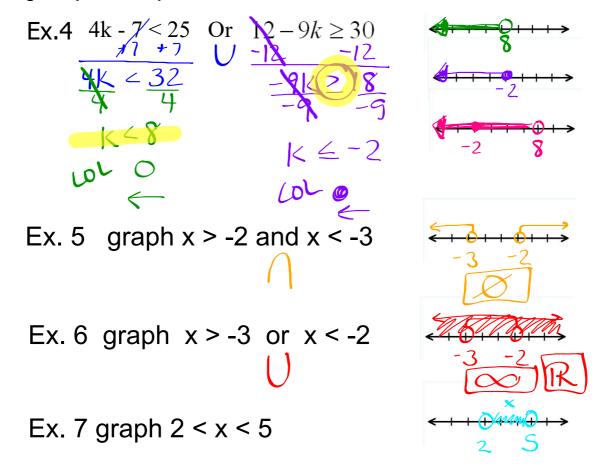




Ex. 3: A ski resort has several types of hotel rooms and several types of cabins. The hotel rooms cost at most \$89 per night, and the cabins cost at least \$109 per night. Write and graph a compound inequality that describes the amount a guest would pay per night at the resort.

$$r \leq 89 \quad \bigcup \quad r \geq 109$$

2.5 Solving Compound Inequalities with work



Dec 4-9:41 AM

Write the compound inequality for each.

