

Home

Realtor

Algebra ALEKS Topics

Algebra Notes

Algebra Reviews

MAT0028

MAC1105

MGF ALEKS Topics

MGF Reviews

MGF Notes

STA2023

Stats ALEKS Topics

Stats Notes

Stats Reviews

Algebra / Union and Intersection of intervals

Worked Examples:

Union and intersection of intervals

B and C are sets of real numbers defined as follows.

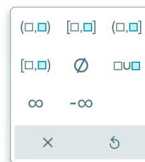
$$B = \{z \mid z \leq 1\}$$

$$C = \{z \mid z < 5\}$$

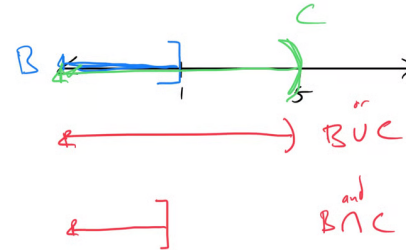
Write $B \cup C$ and $B \cap C$ using interval notation.

If the set is empty, write $\emptyset$.

$$B \cup C = (-\infty, 5)$$
$$B \cap C = (-\infty, 1]$$



Union "or" brings together
Intersection "and" share



Union and intersection of intervals

E and F are sets of real numbers defined as follows.

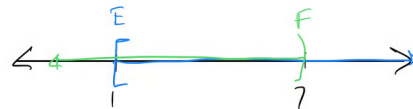
$$E = \{x \mid x \geq 1\}$$

$$F = \{x \mid x < 7\}$$

Write $E \cup F$ and $E \cap F$ using interval notation.

If the set is empty, write $\emptyset$.

$$E \cup F = (-\infty, 7)$$
$$E \cap F = [1, 7)$$



#EquationsAndInequalities

#Sets

Tags Archive RSS feed Youtube QR Code email akennon@fscj.edu with any issues on this website

Made with [Montaigne](#) and [bigmission](#)