

NAME: \_\_\_\_\_

*A.A.31: Find the intersection of sets (no more than three sets) and/or union of sets, within a given universe.*

1. fall0710ia, P.I. A.A.31

Given:

Set  $A = \{(-2, -1), (-1, 0), (1, 8)\}$

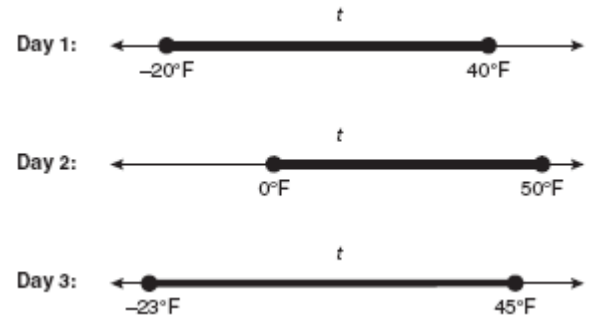
Set  $B = \{(-3, -4), (-2, -1), (-1, 2), (1, 8)\}$ .

What is the intersection of sets  $A$  and  $B$ ?

- [A]  $\{(1, 8)\}$                       [B]  $\{(-2, -1), (1, 8)\}$   
[C]  $\{(-2, -1)\}$   
[D]  $\{(-3, -4), (-2, -1), (-1, 2), (-1, 0), (1, 8)\}$

2. 060833ia, P.I. A.A.31

Maureen tracks the range of outdoor temperatures over three days. She records the following information.



Express the intersection of the three sets as an inequality in terms of temperature,  $t$ .

*A.A.31: Find the intersection of sets (no more than three sets) and/or union of sets, within a given universe.*

[1] B \_\_\_\_\_

[2]  $0 \leq t \leq 40$  or an equivalent answer.

[1] Appropriate work is shown, but one conceptual error is made, such as  $0 < t < 40$  or  $-23 \leq t \leq 50$ .

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously

[2] incorrect procedure. \_\_\_\_\_