Work on these with your partner(s) at the board

1. Consider the profile

15	$A > B > C$	12	$C > B > A$
5	$A > C > B$	7	$B > C > A$
15	$C > A > B$	11	$B > A > C$

(a) Calculate the rankings using plurality, plurality with runoff, antiplurality, and the Borda Count.

(b) Calculate the pairwise election outcomes, and determine the Condorcet winner.

(c) Sketch the procedure line for this profile.

(d) What outcomes, including ties, are possible by using a weighted method for this profile?

(e) For each outcome you specified in part (d), give a weighted method that determines the outcome.

2. Create examples of profiles with three candidates that have the following properties or explain why no such profile exists.

(a) All weighted voting methods give an outcome of $B > A > C$.

(b) B is the Condorcet winner, the plurality outcome is $A > B > C$, the Borda outcome is $C > A > B$, and the antiplurality outcome is $B > C > A$.