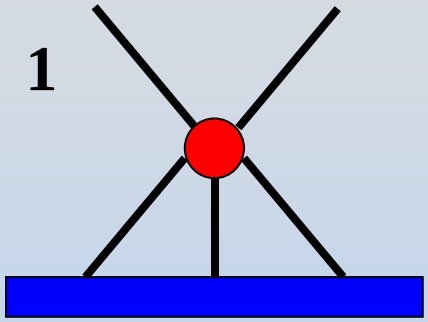
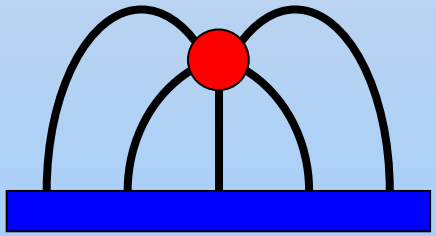
Concept Question: Equipotential

The circle is at +5 V relative to the plate. Which of the below is the most accurate **equipotential map**?

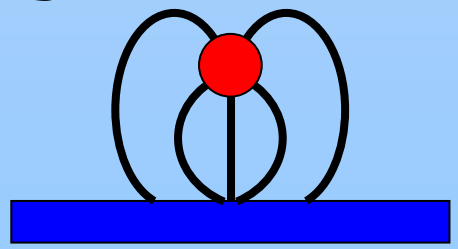
1



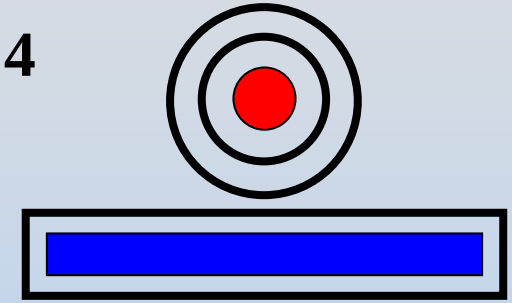
2



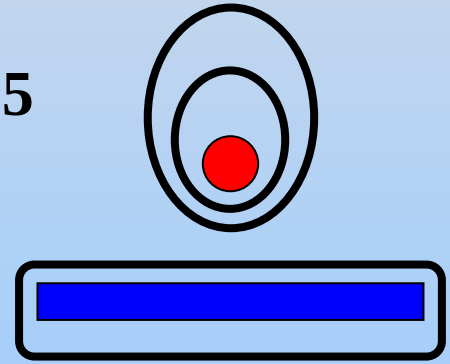
3



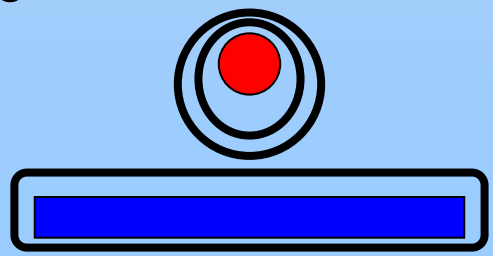
4



5



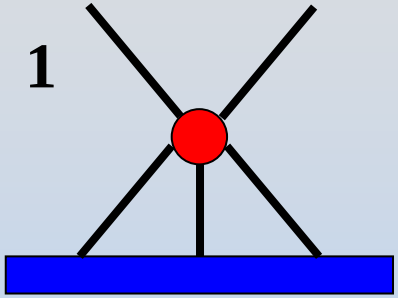
6



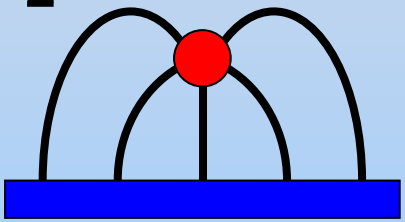
Concept Question: Field Lines

The circle is at +5 V relative to the plate. Which of the below is the most accurate **electric field line map?**

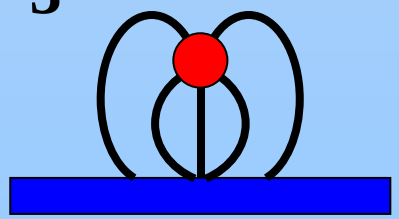
1



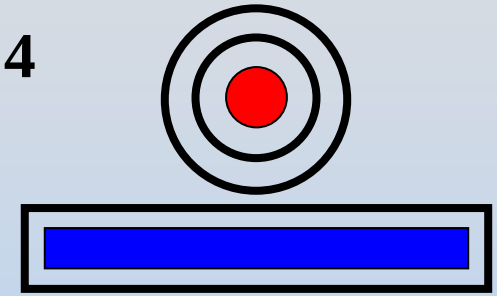
2



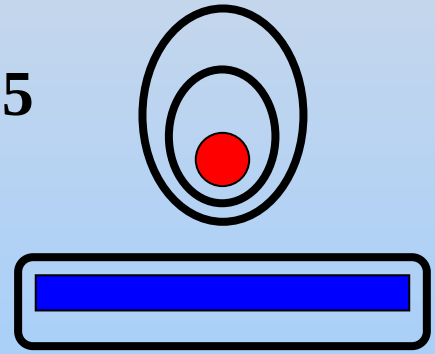
3



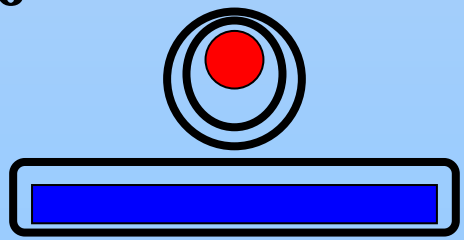
4



5

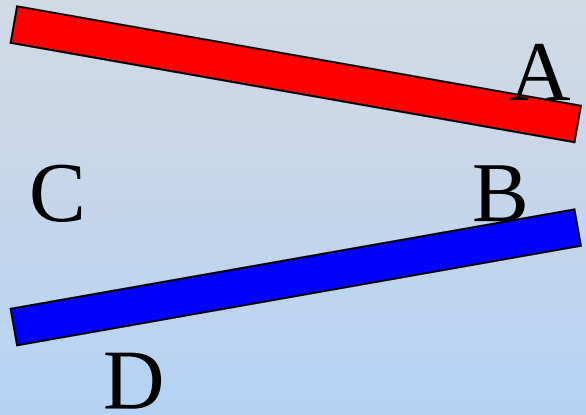


6



Concept Question: Lab Summary: Potentials

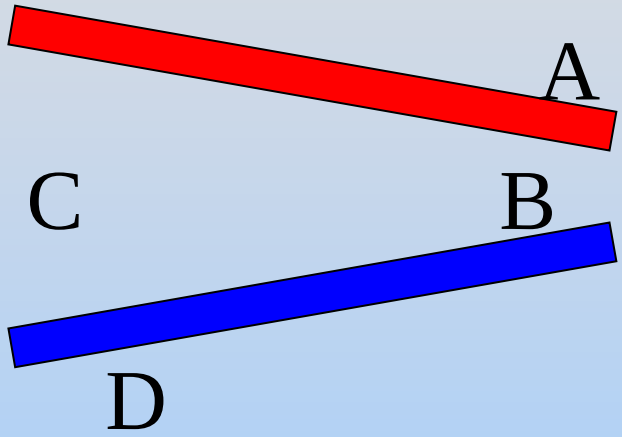
Holding the red plate at +5 V relative to the ground of the blue plate, what is true about the electric potential at the following locations:



1. V(A) > V(B) > V(C) > V(D)
2. V(A) > V(B) ~ V(C) > V(D)
3. V(A) ~ V(B) > V(C) ~ V(D)
4. V(D) > V(C) ~ V(B) > V(A)
5. V(B) > V(C) > V(D) ~ V(A)
6. V(A) > V(D) ~ V(C) > V(B)

Concept Question: Lab Summary: E Field

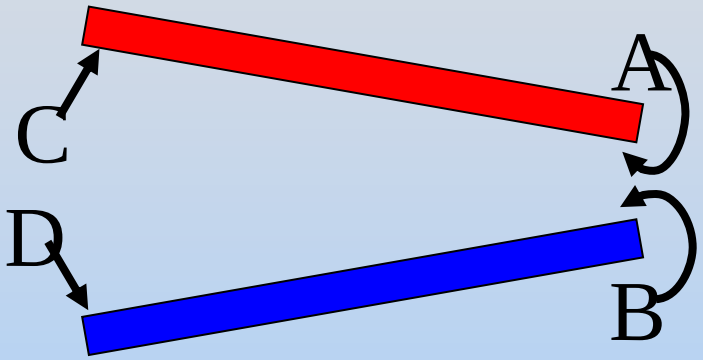
Holding the red plate at +5 V relative to the ground of the blue plate, what is true about the electric field at the following locations:



1. E(A) > E(B) > E(C) > E(D)
2. E(A) > E(B) ~ E(C) > E(D)
3. E(A) ~ E(B) > E(C) ~ E(D)
4. E(D) > E(C) ~ E(B) > E(A)
5. E(B) > E(C) > E(D) ~ E(A)
6. E(A) > E(D) ~ E(C) > E(B)

Concept Question: Lab Summary: Charge

Holding the red plate at +5 V relative to the ground of the blue plate, what is true about the amount of charge near the following points:



1. |Q(A)| ~ |Q(C)| > |Q(B)| ~ |Q(D)|
2. |Q(A)| > |Q(B)| ~ |Q(C)| > |Q(D)|
3. |Q(A)| ~ |Q(B)| > |Q(C)| ~ |Q(D)|
4. |Q(D)| ~ |Q(C)| > |Q(B)| ~ |Q(A)|
5. |Q(B)| ~ |Q(D)| > |Q(A)| ~ |Q(C)|
6. |Q(A)| > |Q(D)| ~ |Q(C)| > |Q(B)|

8.02SC Physics II: Electricity and Magnetism

Fall 2010