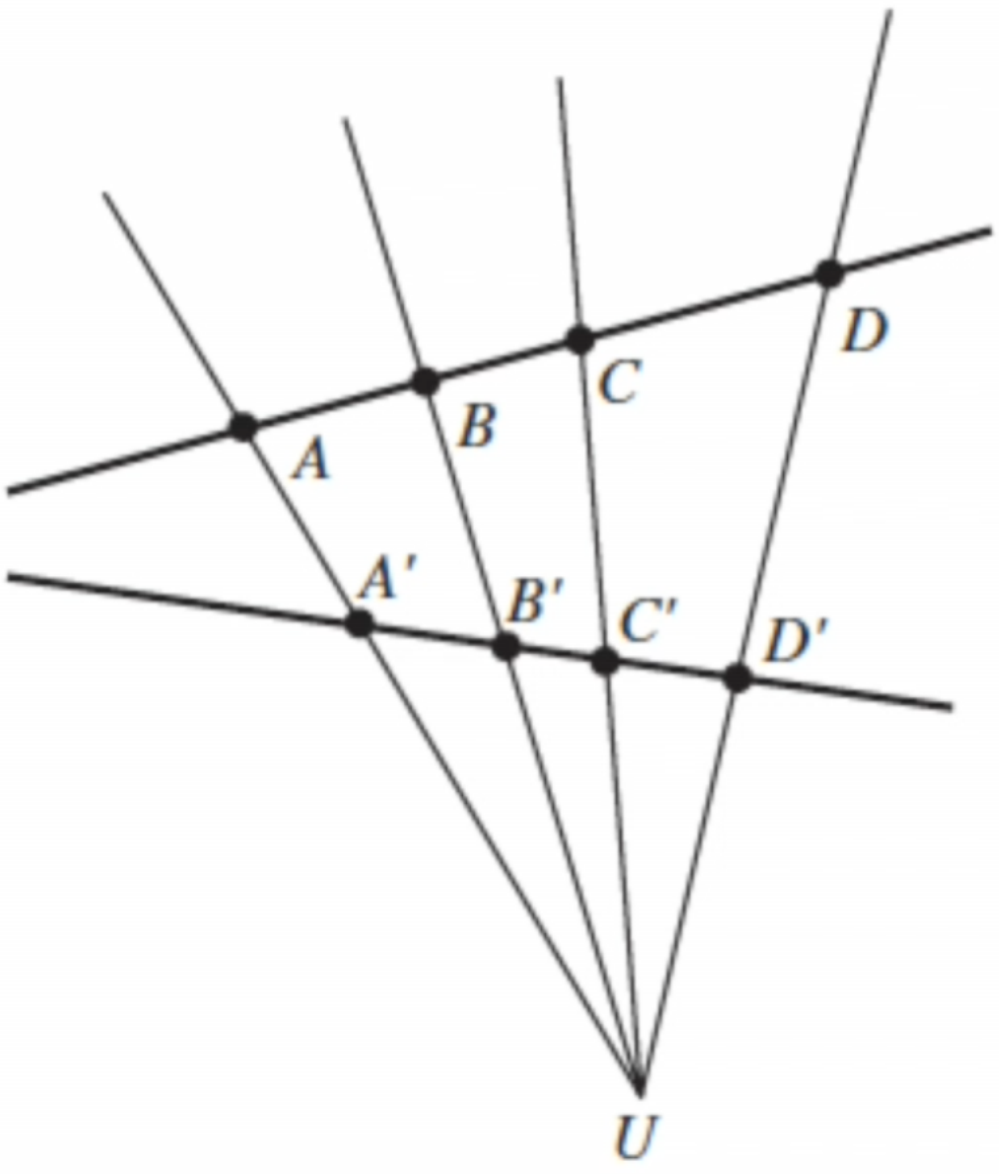
Cross Ratios and Single View Metrology

4 questions

1 point

1.

For the image below, if $AB = 12$, $BC = 4$ and $CD = 8$, what is the cross ratio $\mathcal{CR}(A, B, C, D)$?



2 Enter answer here

1 point

2.

For the same image as the previous question, if $A'B' = 5, B'C' = 2$ and $C'D' = 4$, what is the cross ratio $\mathcal{CR}(A', B', C', D')$?

1.9 Enter answer here

1 point

3.

Is it possible that the image of $A'B'C'D'$ is the result of a perspective projection from $ABCD$? (assume that the lengths are the same as those from the previous two questions)

- Yes
- No

1 point

4.

If not, what should be the length $A'B'$, such that $A'B'C'D'$ is indeed the result of a perspective projection from $ABCD$

- 4
- 6
- 7
- It is already a perspective projection

4 questions unanswered

Submit Quiz