G.G.67: Find the length of a line segment, given its endpoints

1. 080919ge, P.I. G.G.67
If the endpoints of $\overline{AB}$ are $A(-4,5)$ and $B(2,-5)$, what is the length of $\overline{AB}$?

[A] 8 [B] 2 [C] $\sqrt{61}$ [D] $2\sqrt{34}$

2. 080726a, P.I. G.G.67
What is the length of the line segment that joins the points whose coordinates are $(4,7)$ and $(-3,5)$?

[A] $\sqrt{5}$ [B] $\sqrt{193}$

[C] $3\sqrt{6}$ [D] $\sqrt{53}$

3. 010524a, P.I. G.G.67
The coordinates of point *R* are (-3,2) and the coordinates of point *T* are (4,1). What is the length of $\overline{RT}$?

[A] $4\sqrt{3}$ [B] $\sqrt{10}$

[C] $2\sqrt{2}$ [D] $5\sqrt{2}$

4. fall0831ge, P.I. G.G.67
The endpoints of $\overline{PQ}$ are *P*(-3,1) and *Q*(4,25). Find the length of $\overline{PQ}$.

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[1] D

[2] D

[3] D

[2] 25, and appropriate work is shown.
[1] Appropriate work is shown, but one computational or simplification error is made.
or [1] Appropriate work is shown, but one conceptual error is made.
or [1] 25, but no work is shown.
[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously
[4] incorrect procedure.