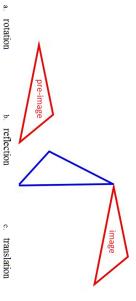
ExamView

geo_05_review_notes.gwb - 2/28 - Sat Feb 13 2021 08:04:26

Given that the triangles in the picture are congruent, what transformation is shown?

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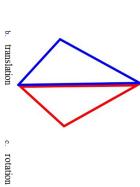
Given that the triangles in the picture are congruent, what transformation is shown?



geo_05_review_notes.gwb - 3/28 - Sat Feb 13 2021 08:04:44



Given that the triangles in the picture are congruent, what transformation would have the triangles on top of each other?



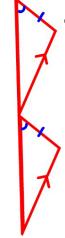
a. reflection

 a. reflection b. rotation translation

ExamView

geo_05_review_notes.gwb - 4/28 - Sat Feb 13 2021 08:05:42

the triangles are congruent. Which theorem, using the least amount of steps, could be used to establish that



AAS HL SSS

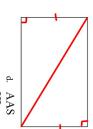
c.

d. ASA

e. not enough information f. SAS

ExamView 3

the triangles are congruent. Which theorem, using the least amount of steps, could be used to establish that

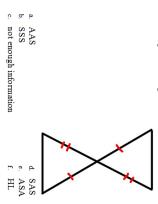


- not enough information
- c. ASA
- d. AAS e. HL f. SSS

geo_05_review_notes.gwb - 7/28 - Sat Feb 13 2021 08:07:45



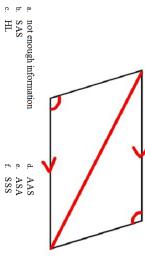
Which theorem, using the least amount of steps, could be used to establish that the triangles are congruent.



ExamView

geo_05_review_notes.gwb - 8/28 - Sat Feb 13 2021 08:08:22

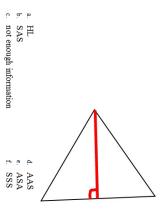
the triangles are congruent. Which theorem, using the least amount of steps, could be used to establish that



2

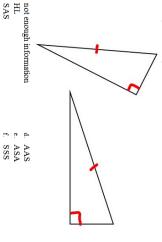
ExamView

Which theorem, using the least amount of steps, could be used to establish that the triangles are congruent.



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Which theorem, using the least amount of steps, could be used to establish that the triangles are congruent.

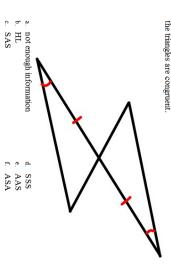


a. not enough informationb. HLc. SAS

geo_05_review_notes.gwb - 11/28 - Sat Feb 13 2021 08:09:52

ExamView

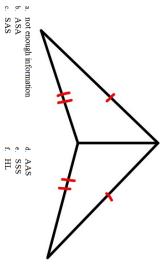
Which theorem, using the least amount of steps, could be used to establish that the triangles are congruent.



ExamView

geo_05_review_notes.gwb - 12/28 - Sat Feb 13 2021 08:10:14

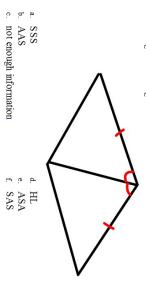
Which theorem, using the least amount of steps, could be used to establish that the triangles are congruent.



geo_05_review_notes.gwb - 10/28 - Sat Feb 13 2021 08:09:24

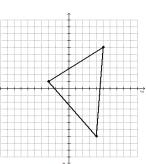


Which theorem, using the least amount of steps, could be used to establish that the triangles are congruent.



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What are the coordinates of the centroid for the triangle with verticies at (-6, 5), (7, 4), and (-1, -3)?



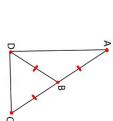
a. (0, 2) b. (-2, 2)

c. (-2, 3) d. (0, 3)

geo_05_review_notes.gwb - 15/28 - Sat Feb 13 2021 08:19:41

ExamView

In the picture below, $m\angle DBA=122^o$ and $m\angle ABC=180^o$. Which statements are true?



- a. $\triangle CDB$ is a scalene triangle b. $\triangle DAC$ is a right triangle

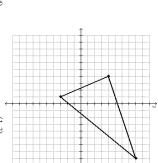
- ΔCDB is an isosceles triangle ΔBDA is an isosceles triangle
- $\triangle ABD$ is an equilateral triangle
- ΔCDB is an isosceles triangle ΔACD is an isosceles triangle ΔBDA is a right triangle

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ExamView

What are the coordinates of the centroid for the triangle with verticies at (-4, 4), (8, 8), and (-1, -3)?

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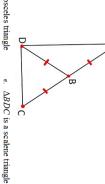
a. (3, 4) b. (3, 3)

c. (1, 3) d. (1, 4)

ExamView

geo_05_review_notes.gwb - 16/28 - Sat Feb 13 2021 08:21:27

In the picture below, $m\angle DBA = 116^{\circ}$ and $m\angle ABC = 180^{\circ}$. Which statements are true?



- a. \(\DBA \) is an isosceles triangle
 b. \(\DBA \) is a right triangle
 c. \(\DBA \) is an equilateral triangle

- c. $\triangle BDA$ is an equilateral triangle d. $\triangle BDC$ is an isosceles triangle
- f. \(\Delta BDC\) is an isosceles triangle
 g. \(\Delta ACD\) is a right triangle
 h. \(\Delta DAC\) is an isosceles triangle

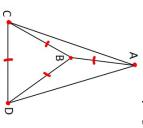
In the picture below, $m\angle DBA = 146^{\circ}$. How many degrees is $m\angle CDA$?

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ExamView



In the picture below, $m \angle CDA = 77^{\circ}$. How many degrees is $m \angle CBA$?

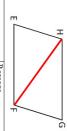


geo_05_review_notes.gwb - 19/28 - Sat Feb 13 2021 08:27:32



Which of the following reasons is incorrect for the proof shown?

Given: $\overline{EF} \parallel \overline{GH}$ and $\overline{EH} \parallel \overline{FG}$ Prove: $\overline{EH} \cong \overline{GF}$ and $\angle E \cong \angle G$



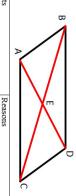
$\angle E \cong \angle G$	Statements 1. $\overline{EF} \parallel \overline{GH}$ and $\overline{EH} \parallel \overline{FG}$ 2. $\angle HFG \cong \angle FHG$ 2. $\angle HFG \cong \angle FHE$ 3. $HF \cong HF$ 4. $\triangle EHF \cong \triangle GFH$	Reasons 1. Given 2. Alt. int. ang. theorem 3. Reflex, prop. of congruence 4. Seg. add. postulate
	EF GH and EH FG 2. ∠HFE ≅ ∠FHG ∠HFG ≅ ∠FHE	Given Alt. int. ang. theorem
	$8. \overline{HF} \cong \overline{HF}$	Reflex. prop. of congrue
	1. $\Delta EHF \cong \Delta GFH$	4. Seg. add. postulate
	5. $\overline{EH} \cong \overline{GF}$ and $\angle E \cong \angle G$	5. CPCTC

geo_05_review_notes.gwb - 20/28 - Sat Feb 13/20/2108/29/36



Which of the following reasons is incorrect for the proof shown?

Given: $\overline{BD} \parallel \overline{AC}$ and $\overline{BD} \cong \overline{AC}$ Prove: $\overline{BE} \cong \overline{CE}$ and $\overline{DE} \cong \overline{AE}$



Statements	Reasons
1. $\overline{BD} \parallel \overline{AC}$ and $\overline{BD} \cong \overline{AC}$	 Ang. add. postulate
 ∠DBE ≅ ∠ACE 	2. Alt. int. ang. theorem
$\angle EAC \cong \angle EDB$	
3. $\triangle DBE \cong \triangle ACE$	3. ASA congruence
4. $\overline{BE} \cong \overline{CE}$ and $\overline{DE} \cong \overline{AE}$	4. CPCTC





Which of the following reasons is incorrect for the proof shown?

Given: $\overline{IZ}\cong\overline{IX},\ \angle TYZ\cong\angle TYX,\ \text{and}\ m\angle TYZ=90\,^{\circ}$ Prove: $\angle Z\cong\angle X$



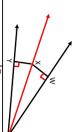
Statements	Reasons
1. $\overline{IZ} \cong \overline{IX}$, $\angle IYZ \cong \angle ITX$,	1. Given
and $m\angle TYZ = 90^{\circ}$	
2. $\overline{YT} \cong \overline{YT}$	2. Ref. prop. of congruence
3. $\Delta TYZ \cong \Delta TYX$	3. Base ang. theorem
4. $\angle Z \cong \angle X$	4. CPCTC

geo_05_review_notes.gwb - 23/28 - Sat Feb 13 2021 08:35:10



Which of the following reasons is incorrect for the proof shown?

Given: $\angle WZX \cong \angle YZX$ and $\angle W \cong \angle Y$ Prove: $\overline{XW} \cong \overline{XY}$



Statements	Reasons
1. $\angle WZX \cong \angle YZX$ and $\angle W \cong \angle Y$ 1. Given	1. Given
2. $\overline{ZX} \cong \overline{ZX}$	2. Ref. prop. of congruence
3. $\Delta WZX \cong \Delta YZX$	3. AAS congruence
4. $\overline{XW} \cong \overline{XY}$	4. SSS congruence

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Which of the following reasons is incorrect for the proof shown?

Given: $\overline{AD} \cong \overline{CD}$ and $\angle BDA \cong \angle BDC$ Prove: $\overline{BA} \cong \overline{BC}$

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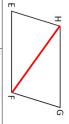
Statements	Reasons
1. $\overline{AD} \cong \overline{CD}$ and $\angle BDA \cong \angle BDC$ 1. Given	1. Given
2. $\overline{BD} \cong \overline{BD}$	2. Ref. prop. of congruence
3. $\triangle BDA \cong \triangle BDC$	Ang. add. postulate
4. $\overline{BA} \cong \overline{BC}$	4. CPCTC

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Which of the following statements is incorrect for the proof shown?

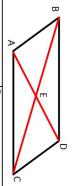
Given: $\overline{EF} \parallel \overline{GH}$ and $\overline{EH} \parallel \overline{FG}$ Prove: $\overline{EH} \cong \overline{GF}$ and $\angle E \cong \angle G$



5.	4.	3.		2.	1.	0
5. $\overline{EH} \cong \overline{GF}$ and $\angle E \cong \angle G$	4. $\Delta EHF \cong \Delta GHF$	3. $\overline{HF} \cong \overline{HF}$	$\angle HFG \cong \angle FHE$	 ∠HFE ≅ ∠FHG 	1. $\overline{EF} \parallel \overline{GH}$ and $\overline{EH} \parallel \overline{FG}$	SIGICALICATIO
5. CPCTC	4. ASA congruence	3. Reflexive prop. of congruence	Theorem	Alternate Interior Angles	1. Given	Tregonia

Which of the following statements is incorrect for the proof shown?

Given: $\overline{BD} \parallel \overline{AC}$ and $\overline{BD} \cong \overline{AC}$ Prove: $\overline{BE} \cong \overline{CE}$ and $\overline{DE} \cong \overline{AE}$



Statements	Reasons
1. $\overline{BD} \parallel \overline{AC}$ and $\overline{BD} \cong \overline{AC}$	1. Given
2. ∠DBE ≅ ∠4CD	Alternate Interior Angles
$\angle EAC \cong \angle EDB$	Theorem
3. $\triangle DBE \cong \triangle ACE$	3. ASA congruence
4. $\overline{BE} \cong \overline{CE}$ and $\overline{DE} \cong \overline{AE}$	4. CPCTC

geo_05_review_notes.gwb - 27/28 - Sat Feb 13 2021 08:43:16



Which of the following statements is incorrect for the proof shown?

Given: $\overline{AD} \cong \overline{CD}$ and $\angle BDA \cong \angle BDC$ Prove: $\overline{BA} \cong \overline{BC}$



Statements	Reasons
1. $\overline{AD} \cong \overline{CD}$ and $\angle BDA \cong \angle BDC$ 1. Given	1. Given
2. $\overline{BD} \cong \overline{BD}$	2. Reflexive prop. of congruence
3. $\triangle BDA \cong \triangle BCD$	 SAS congruence
4. $\overline{BA} \cong \overline{BC}$	4. CPCTC

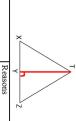
ExamView

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Which of the following reasons is incorrect for the proof shown?

Given: $\overline{IZ}\cong \overline{IX}$, $\angle TYZ\cong \angle TYX$, and $m\angle TYZ=90^\circ$ Prove: $\angle Z\cong \angle X$

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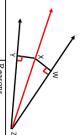
Statements	Reasons
1. $\overline{IZ} \cong \overline{IX}$, $\angle IYZ \cong \angle ITX$,	1. Given
and $m\angle TYZ = 90^{\circ}$	
2. $\overline{YT} \cong \overline{YZ}$	2. Reflexive prop. of congruence
3. $\triangle TYZ \cong \triangle TYX$	3. HL congruence
4. $\angle Z \cong \angle X$	4. CPCTC

ExamView

geo_05_review_notes.gwb - 28/28 - Sat Feb 13 2021 08:46:34

Which of the following statements is incorrect for the proof shown?

Given: $\angle WZX \cong \angle YZX$ and $\angle W \cong \angle Y$ Prove: $\overline{XW} \cong \overline{XY}$



Statements	Reasons
1. $\angle WZX \cong \angle YZX$ and $\angle W \cong \angle Y$ 1. Given	1. Given
2. $\overline{ZX} \cong \overline{ZX}$	2. Reflexive prop. of congruence
3. $\Delta WZX \cong \Delta YXZ$	 AAS congruence
4. $\overline{XW} \cong \overline{XY}$	4. CPCTC