4.3 Proving Triangles Congruent

Examples

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|  |  |

1. Given:

Prove:

T

Q

C

V

1. Given:

Prove:

B

A

D

C

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1. Given: 



Prove: 



G

K

M

N

1. Given:

Prove:

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S

T

R

X

1. Given:

Prove:

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1. Given: 

 



Prove: ∆GOJ ∆KMH

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4.4 Proving Triangles Congruent

Examples

1. Given:

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|  |  |

Prove:

Y

X

W

Z

1. Given:

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Prove:

I

H

G

J

1. Given: 

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 bisects ∠ADC

Prove: ∆ABD ≅ ∆CBD



1.  Given:

Prove: ∆ABC ∆EDC

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| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  | E  A  B  C  D |

1. Given:

Prove:

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  | B  A |

1. Given:

C

D

Prove:

|  |  |
| --- | --- |
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|  |  |
|  |  |