Tuesday, November 7, 2023 8:37 PM

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Lesson 3.9 Proving Lines Parallel Workbook pages 201-205

MA.912.GR.1.1

Prove relationships and theorems about lines and angles. Solve mathematical and real-world problems involving postulates, relationships and theorems of lines and angles.

> Content Objective Students identify and use parallel lines by using angle relationships.



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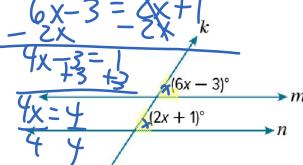
Example 2

Use Angle Relationships

Check

a. Find the value of x so that $m \parallel n$. Identify the postulate or theorem you used.

Corresponding angles (X=1)









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Example 2

Use Angle Relationships



LLMN and LRST 9(36)(19x-12)
Alternate Exterior T
Angles

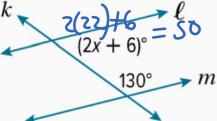
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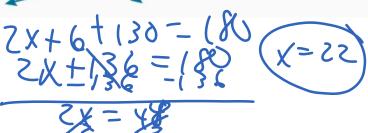
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 $(2x + 152.4)^{\circ}$



7. Find the value of x so that $\ell \parallel m$. (Example 2)



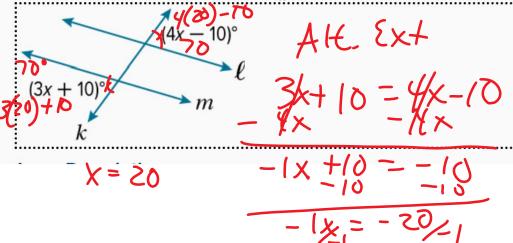








8. Find the value of x so that $\ell \parallel m$. (Example 2)



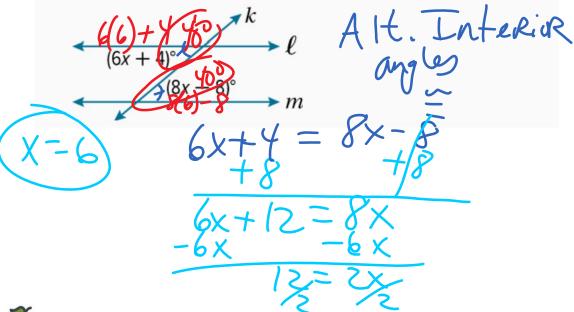


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9. Find the value of x so that $\ell \parallel m$. (Example 2)





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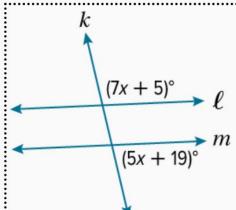
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11. Find the value of x so that $\ell \parallel m$. (Example 2)



11. Find the value of x so that $\ell \parallel m$. (Example 2)



7x + 5 + 5x + 19 = 180



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13. Find the value of x so that $\ell \parallel m$. (Example 2)

