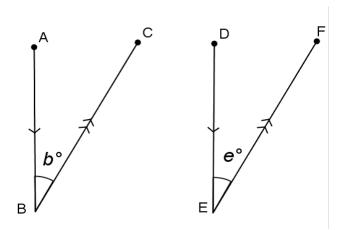


Taleak says he can use corresponding angles to write his proof. Do you agree with him? Why or why not?

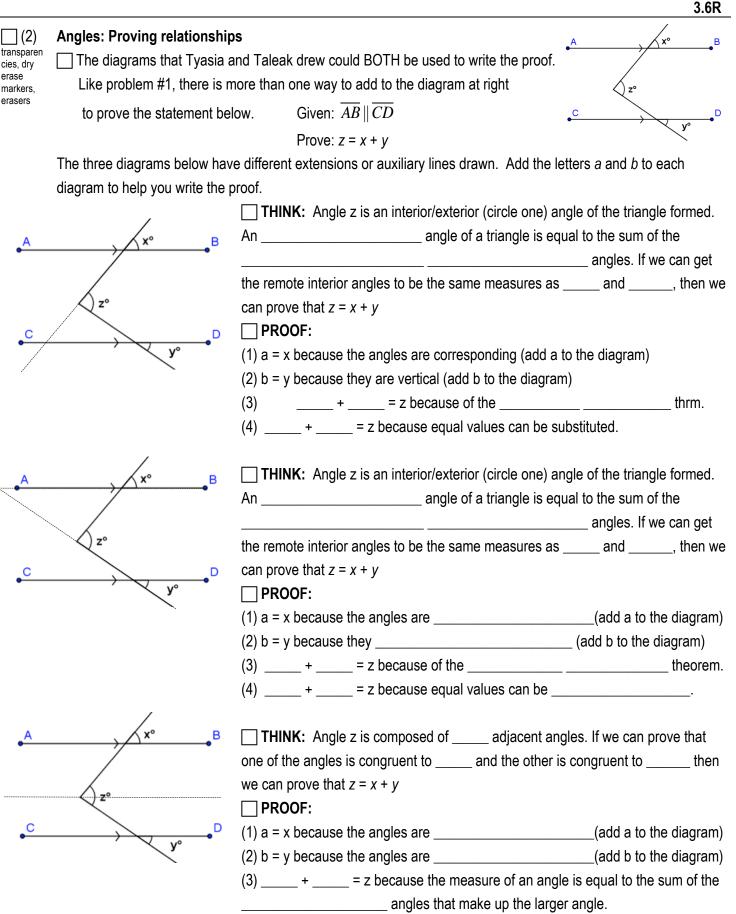
(1) cont. Angles: Proving relationships

Choose ONE of their drawings and prove that the measure of angle B is equal to the measure of angle E. Add transparen cies, dry letters to the diagram where needed to help you write the proof



I know that	because

erase markers, erasers



cies, dry erase

markers, erasers

С

(4) _____ + ____ = z because_____

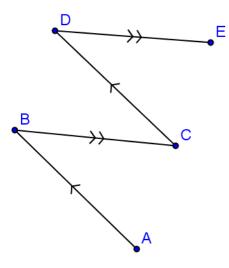
3

4

Angles: Proving Relationships

Prove the statement for each problem in this section. You may or may not need to draw an auxiliary line. (a) In the figure, $AB \parallel CD$ and $BC \parallel DE$.

Prove that $\angle ABC = \angle CDE$.

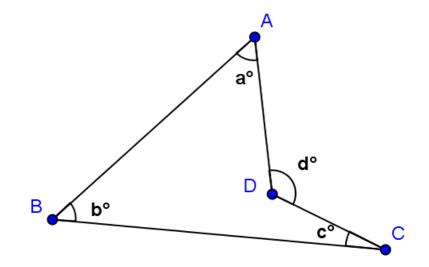


I know that	because

3) Angles: Proving Relationships

□ (3)Angles: Provlarge dry
erase
problems□ (b) In the f

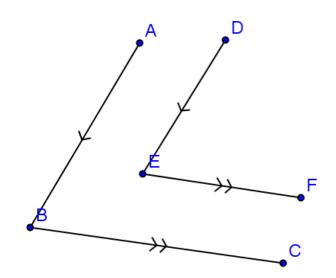
(b) In the figure, prove that d = a + b + c.



I know that	because

6

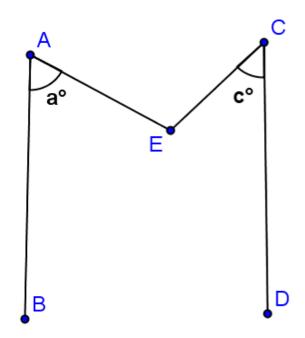
 \Box (c) In the figure, $AB \parallel DE$ and $BC \parallel EF$. Prove that $\angle ABC = \angle DEF$.



I know that	because

$\square (3)$ Angles: Proving Relationships

 \Box (d) In the figure, $AB \parallel CD$. Prove that $\angle AEC = a + c$

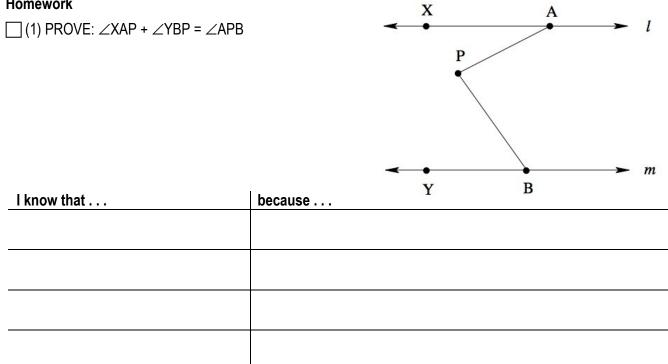


I know that	because

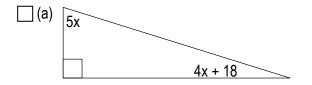
(4) Exit Ticket

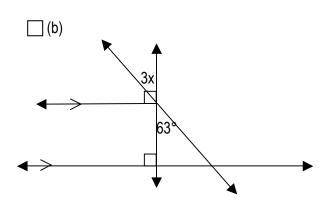
ON THE LAST PAGE

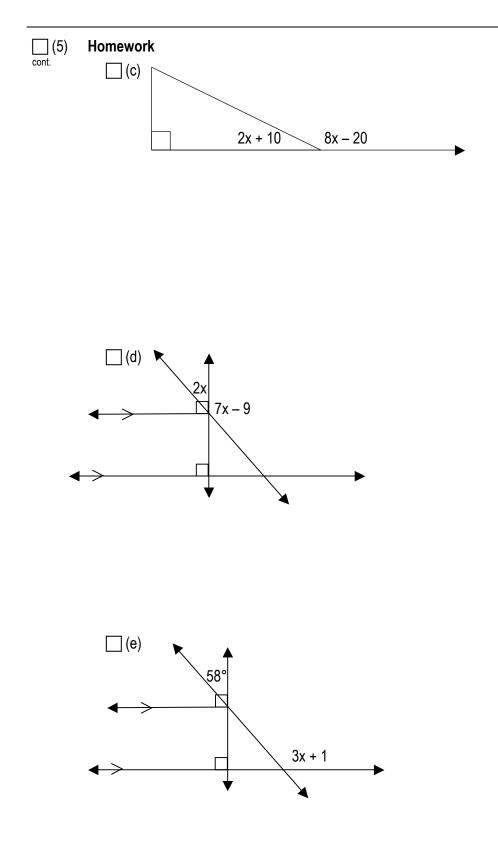
(5) Homework



 \Box (2) Find the measure of *x* in each diagram. State a reason for each step that you take.



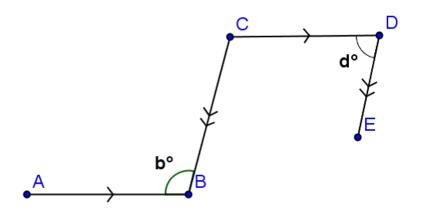




Exit Ticket	Name	Date	Per	3.6R
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(1) The LO (Learning Outcomes) are written below your name on the front of this packet. Demonstrate your achievement of these outcomes by doing the following:

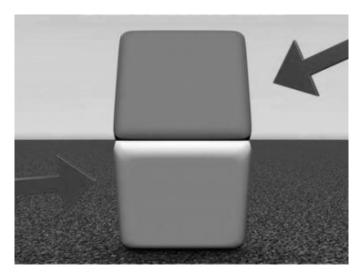
In the figure, $AB \parallel CD$ and $BC \parallel DE$. Prove that b + d = 180.



DO NOW	Name		Date	Per	3.6R
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(1) Make 3 sketches: one that shows corresponding angles, one that shows alternate interior angles, and one that shows alternate exterior angles.

(2) Are the boxes below the same color?_____ Now put your finger across the middle. Did this change your answer?



What a difference a line can make.

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