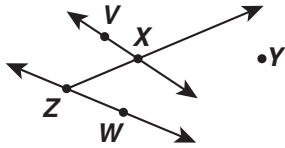


CHAPTER **Free Response**
9 **Test A**

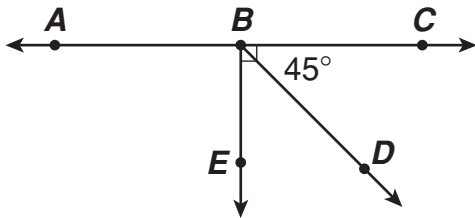
For 1–2, use the figure below.



1. What type of figure is \overline{ZX} ?

2. What type of figure would be formed by connecting points X and Y ?

Use the figure below for 3–5.

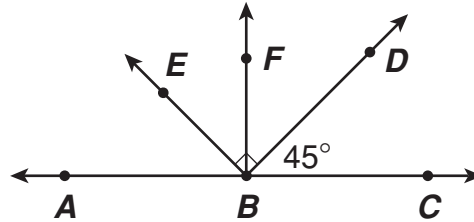


3. What type of angle is $\angle CBE$?

4. What type of angle is formed by adding together $\angle ABE$ and $\angle CBE$?

5. Name two complementary angles.

Use the figure below for 6–8.

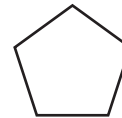


6. Name two adjacent angles.

7. What is the measure of $\angle ABE$?

8. What is the measure of $\angle EBC$?

9. Name the polygon.

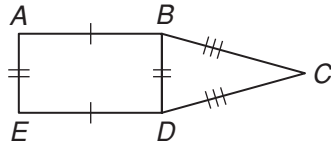


10. Name the polygon.

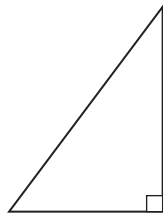


CHAPTER 9 **Free Response**
Test A, continued

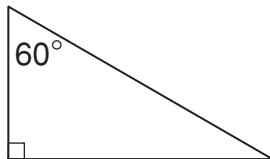
11. Name two congruent line segments.



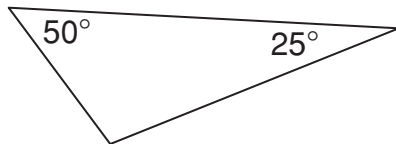
12. Classify the triangle according to its sides and angles.



13. Find the unknown angle measure.



14. Find the unknown angle measure.

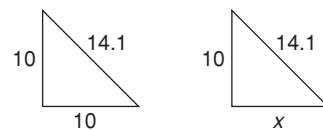


15. Name the quadrilateral shown below.

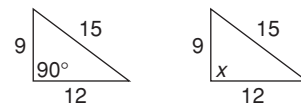


16. A quadrilateral has no equal sides and no equal angles. What type of quadrilateral is this?

17. If the two triangles are congruent, what is the length of x ?

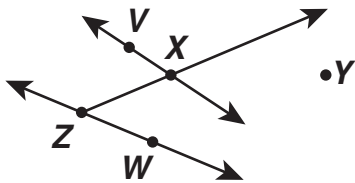


18. What is the measure of angle x ?



CHAPTER 9 **Free Response**
Test B

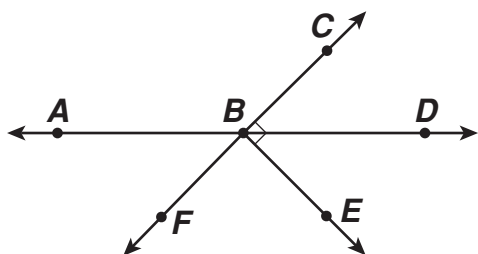
For 1–2, use the figure below.



1. What type of figure is \overline{ZX} ?

2. What type of figure would be formed by connecting points W and Y ?

Use the figure below for 3–5.

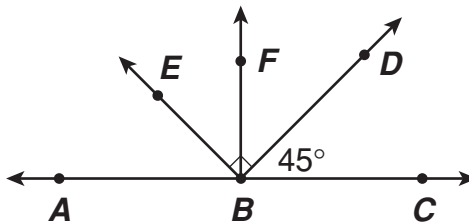


3. What type of angle is $\angle ABC$?

4. What type of angle is formed by adding together $\angle CBD$ and $\angle DBF$?

5. Name two complementary angles.

Use the figure below for 6–8.

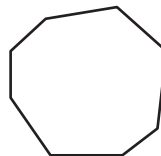


6. Name two supplementary angles.

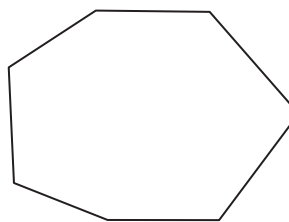
7. What is the measure of $\angle EBC$?

8. What is the measure of $\angle ABE$?

9. Name the polygon.



10. What type of polygon is the figure?



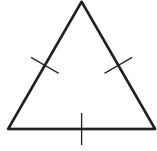
CHAPTER

9

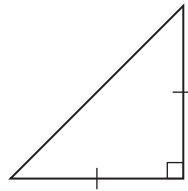
Free Response

Test B, continued

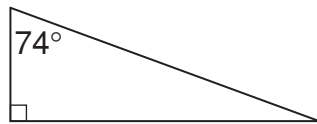
11. How can you describe the polygon?



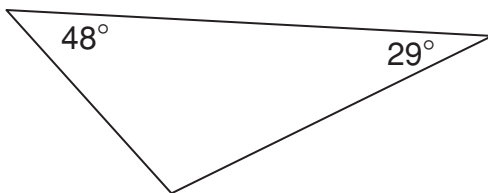
12. Classify the triangle according to its sides and angles.



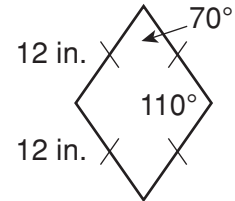
13. Find the unknown angle measure.



14. Find the unknown angle measure.

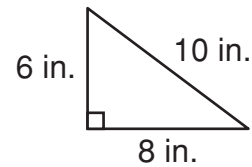


15. What type of quadrilateral is the figure?



16. A quadrilateral has 4 equal angles. What type of quadrilateral is this?

17. In order for a triangle to be congruent with the triangle shown, what must be true about the length of its sides?



18. What is the measure of $\angle x$?

