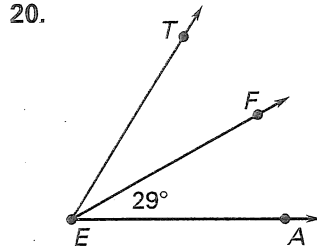
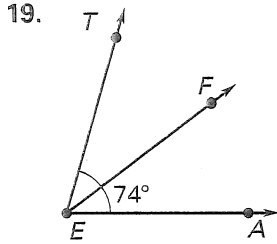


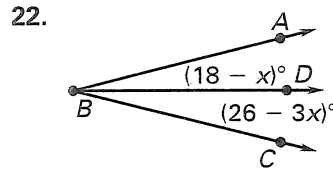
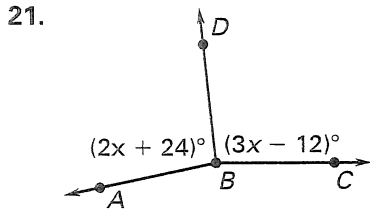
Chapter Test B

For use after Chapter 1

In Questions 19 and 20, \overrightarrow{EF} is the angle bisector of $\angle TEA$. Find the two angle measures not given in the diagram.

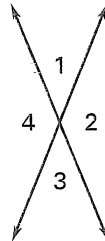


In Questions 21–23, \overrightarrow{BD} bisects $\angle ABC$. Find the value of x .



In Questions 23–25, use the diagram to solve for the missing angle measure.

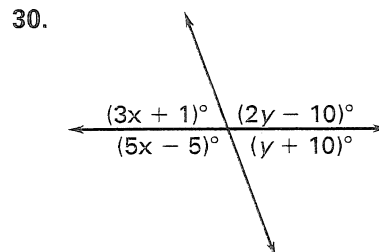
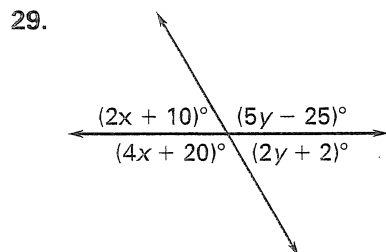
23. If $m\angle 1 = 44^\circ$, then $m\angle 3 =$ ____.
24. If $m\angle 2 = 78^\circ$, then $m\angle 1 =$ ____.
25. If $m\angle 4 = 33^\circ$, then $m\angle 2 =$ ____.



In Questions 26–28, refer to the diagram for Questions 24–26 and state whether the given angles are a linear pair or a vertical pair.

26. $\angle 1$ and $\angle 3$ 27. $\angle 2$ and $\angle 1$ 28. $\angle 4$ and $\angle 2$

Find the values of the variables.



Find the area of the figure described.

31. Triangle with height 4 cm and base 5 cm
32. Square with side length 7 ft
33. Circle with radius 5 yd

Answers

19. _____
20. _____
21. _____
22. _____
23. _____
24. _____
25. _____
26. _____
27. _____
28. _____
29. _____
30. _____
31. _____
32. _____
33. _____