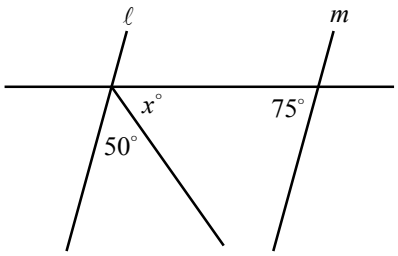
Chapter 16 Practice Test

1



Note: Figure not drawn to scale.

In the figure above, $\ell \parallel m$. What is the value of x?

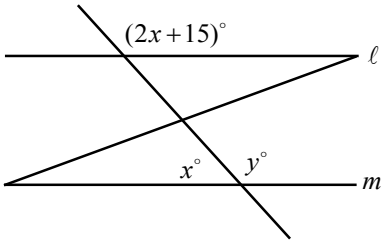
A) 45

B) 50

C) 55

D) 60

2



Note: Figure not drawn to scale.

In the figure above, $\ell \parallel m$. What is the value of y?

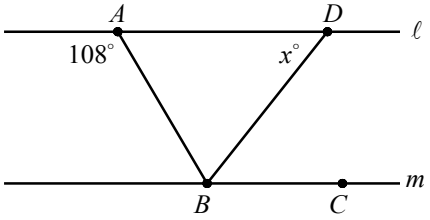
A) 120

B) 125

C) 130

D) 135

3



Note: Figure not drawn to scale.

In the figure above, lines ℓ and m are parallel and $\overline{BD}$ bisects $\angle ABC$. What is the value of x?

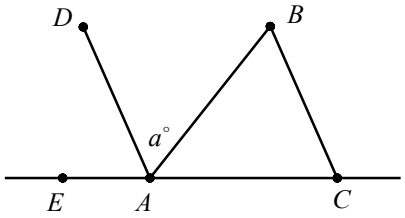
A) 54

B) 60

C) 68

D) 72

4



In the figure above, $\overline{DA} \parallel \overline{BC}$ and $\overline{AB}$ bisects $\angle DAC$. What is the measure of $\angle BCA$ in terms of a?

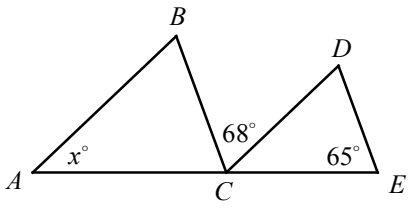
A) $180 - a$

B) $2a - 180$

C) $180 - 2a$

D) $2a - 90$

5



Note: Figure not drawn to scale.

In the figure above, $\overline{AB} \parallel \overline{CD}$ and $\overline{BC} \parallel \overline{DE}$. What is the value of x?

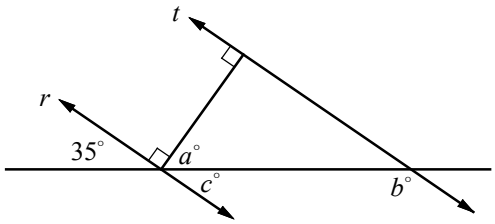
A) 47

B) 51

C) 55

D) 57

6



In the figure above, $r \parallel t$. What is the value of $a+b$?

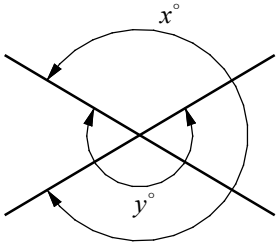
A) 160

B) 175

C) 185

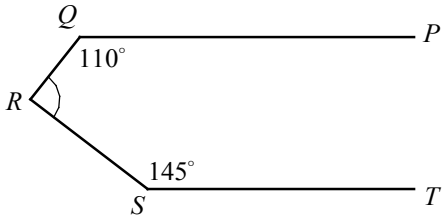
D) 200

7



In the figure above, what is the value of $x+y$?

8



Note: Figure not drawn to scale.

In the figure above, $\overline{PQ}$ is parallel to $\overline{ST}$. What is the measure of $\angle QRS$?