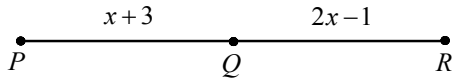**Exercises - Lines, Segments, and Rays**

1

In the figure above, Q is the midpoint of PR. If $PQ = x + 3$ and $QR = 2x - 1$, what is the length of segment PR?

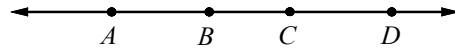A) 4

B) 7

C) 11

D) 14

2

Note: Figure not drawn to scale.

On the segment PS above, $PR = 12$, $QS = 16$, and $QR = \dfrac{1}{3}PS$. What is the length of PS?
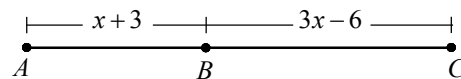
A) 19

B) 20

C) 21

D) 22

3

In the figure above, which of the following are opposite rays?

A) Ray AB and Ray CD

B) Ray CA and Ray CD

C) Ray DA and Ray AD

D) Ray CA and Ray BD

4

Note: Figure not drawn to scale.

In the figure above, $AB = \dfrac{2}{3}BC$. What is the length of AC?

A) 15

B) 18

C) 21

D) 25