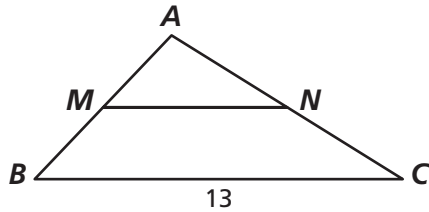


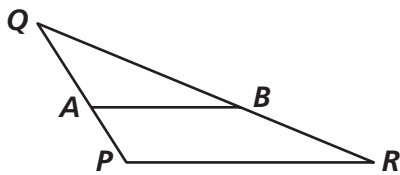
GRADE 10 **Focus on Sunshine State Standards: Benchmark Tests**
MA.912.G.4.5 Benchmark Pre-Test (Multiple Choice)

1. In the diagram below, \overline{MN} is parallel to \overline{BC} , $AM = MB = 3.5$, and $AC = 11$.



How long is \overline{AN} ?

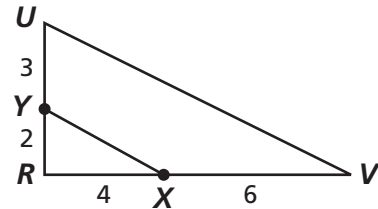
- A. 1
 - B. 3.5
 - C. 5.5
 - D. 7.5
2. In the diagram below, \overline{AB} is parallel to \overline{PR} .



Which of the following is NOT true?

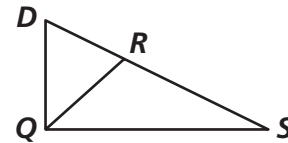
- F. $\frac{QA}{AP} = \frac{QB}{BR}$
- G. $\frac{BR}{AP} = \frac{QB}{QA}$
- H. $\frac{BR}{AP} = \frac{QA}{QB}$
- I. $\frac{QA}{QA + AP} = \frac{QB}{QB + BR}$

3. Use the diagram below.



Which of the following is true?

- A. \overline{XY} is parallel to \overline{UV} .
 - B. \overline{XY} is not parallel to \overline{UV} .
 - C. \overline{XY} is sometimes parallel to \overline{UV} .
 - D. \overline{XY} is parallel to \overline{UV} .
4. In the diagram below, \overline{QR} bisects $\angle DQS$.



Which of the following correctly completes the proportion below?

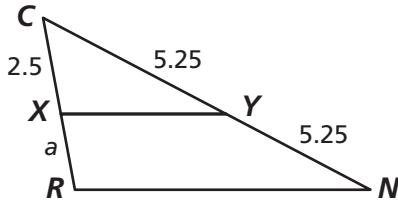
$$\frac{DR}{RS} = \frac{DQ}{\square}$$

- F. QR
- G. QS
- H. RS
- I. DS

GRADE 10 **Focus on Sunshine State Standards: Benchmark Tests**
MA.912.G.4.5 Benchmark Pre-Test (Gridded Response)

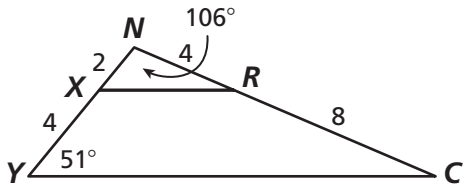
Use the Gridded Response Answer Sheet.

5. In the diagram below, \overline{XY} is parallel to \overline{RN} .



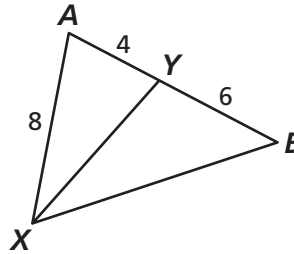
What is the value of a ?

6. Use the diagram below.



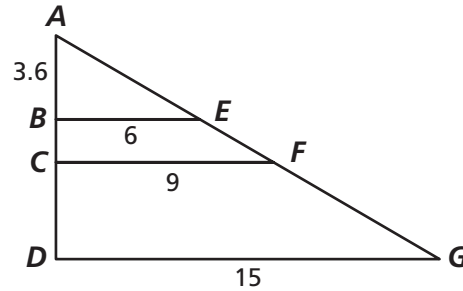
What is the measure of $\angle NRX$ in degrees?

7. In the diagram below, \overline{XY} bisects $\angle AXB$.



What is the length of \overline{XB} ?

8. In the diagram below, \overline{BE} is parallel to \overline{DG} and \overline{CF} is parallel to \overline{DG} .



What is the length of \overline{BD} ?