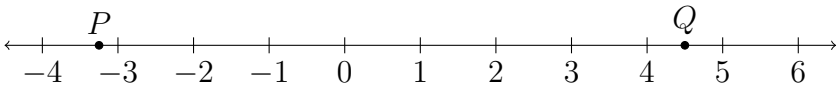
BECA / Dr. Huson / Geometry 02-Midpoint+distance Name:
pset ID: 23

2-5HW-Perimeter

1. Given the rectangle $ABCD$ shown below, with $AB = 11$ and $BC = 2.5$. Find the perimeter of the rectangle.

2. Given $\overleftrightarrow{PQ}$ as shown on the number line, with $P = -3.25$ and $Q = 4.5$.



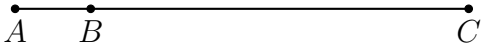
What is the exact distance on the number line between the points P and Q?

3. Given two complementary angles, $\angle A$ and $\angle B$, with $m\angle A = 43°$. Find the measure of $\angle B$.

4. Angles P and Q are supplementary. $m\angle P = 23°$. Find $m\angle Q$.

5. Given $\overline{ABC}$, $AB = 27$, and $AC = 161$.

   Find BC.



   The postulate used in this problem is the _____.

6. Given the diagram shown below.

   (a) Measure the angle BED. $m\angle BED =$ _____

   (b) Name an angle that is supplementary to $\angle AEB$: _____

   (c) Name an angle that is complementary to $\angle BEC$: _____