

Welcome!

1. Label pages 13 and 14 in your ISN as "DO NOW 8/14-8/18"

2. Divide each page in half. On the top half of page 13, write down the two problems below and solve them.

8/15 **IMPORTANT**** the two small angles should add to be the whole angle. Add them together and set them equal to the number given to you in the problem**

① Given $m\angle NRQ = 78^\circ$, find $m\angle PRQ$.

$8x + 7 + 4x - 1 = 78$
 $12x + 6 = 78$
 $\quad -6 \quad -6$
 $\hline 12x = 72$
 $\quad \quad \quad \frac{12}{12}$
 $\quad \quad \quad \hline 4x - 1$
 $\quad \quad \quad \frac{4(6) - 1}{24 - 1}$
 $\quad \quad \quad \hline 23 = m\angle PRQ$

② Given $m\angle ADC = 135^\circ$, find $m\angle BDC$.

$7x + 11x + 9 = 135$
 $18x + 9 = 135$
 $\quad -9 \quad -9$
 $\hline 18x = 126$
 $\quad \quad \quad \frac{18}{18}$
 $\quad \quad \quad \hline x = 7$

$11x + 9$
 $11(7) + 9$
 $77 + 9$
 $\boxed{86}$

Aug 15-4:07 PM