

P 149
 (17)

$\angle 1 = 150^\circ$
 $\angle 2 = 150^\circ$

Jan 10-8:11 AM

P 149
 (18)

$\angle 1 = 140^\circ$
 $\angle 2 = 40^\circ$

Jan 10-8:14 AM

P 150
 (2a)

$\angle 1 = 100^\circ$
 $\angle 2 = 80^\circ$
 $\angle 3 = 100^\circ$

★ Parallelograms \rightarrow opposite \angle s are \cong
 \rightarrow consecutive \angle s are Supple...

Jan 10-8:16 AM

P 150 #24

$\angle 1 = 47^\circ$
 $\angle 2 = 133^\circ$
 $\angle 3 = 47^\circ$

Jan 10-8:19 AM

P 150
 27

$\angle x$ and 45° are alternate interior \angle s

$W = 50^\circ$
 $X = 45$
 $Y = 85$
 $\underline{180^\circ}$

Jan 10-8:21 AM

P 150
 28

$3y + 6y = 180$
 Same side interior Supplementary
 $\frac{9y}{9} = \frac{180}{9}$
 $Y = 20$

$2x + 90 = 180$
 $2x = 90$
 $X = 45$

Jan 10-8:30 AM

P150 #28

$3y + 6y = 180$
 $9y = 180$
 $y = 20$

$2x + 90 = 180$
 $2x = 90$
 $x = 45$

Jan 10-10:11 AM

P150 #29

$x = 65^\circ$
 $y = 60^\circ$

65
 55
 $+ y$
 180

55
 $+ 65$
 120

$\angle x$ and 65°
 Corresponding \angle s

Jan 10-10:16 AM

29

$x = 65$
 $y = 60$

Vertical angles

Jan 10-8:33 AM

30

$3x = 60$
 $x = 20$

$5y - 5 + 135 = 180$
 $5y + 130 = 180$
 $-130 -130$
 $5y = 50$
 $y = 10$

Corresponding angles are congruent
 Consecutive interior angles are supplementary

Jan 10-8:38 AM

31

$90 + 5a + 3y + 2 = 180$
 $144 + 3y = 180$
 $-144 -144$
 $3y = 36$
 $y = 12$

$4x = 5a$
 $\frac{4x}{4} = \frac{5a}{4}$
 $x = 13$

$\frac{13}{5} + 3y + 2 + 90 = 180$

Jan 10-8:43 AM

P150 #31

$3y + 2 + 90 + 5a = 180$
 $3y + 144 = 180$
 $-144 -144$
 $3y = 36$
 $y = 12$

$5a = 4x$
 $\frac{5a}{4} = \frac{4x}{4}$
 $13 = x$

Jan 10-10:27 AM

p150 #32

Consecutive interior angles are Supplement.

$$2y + 130 = 180$$

$$2y = 50$$

$$y = 25$$

$$2y = 50 \rightarrow 2y = 50$$

$$y = 25$$

$$5x + 14x - 10 = 180$$

$$19x = 190$$

$$x = 10$$

Jan 10-10:32 AM

p150 #32

$$130 + 2y = 180$$

$$2y = 50$$

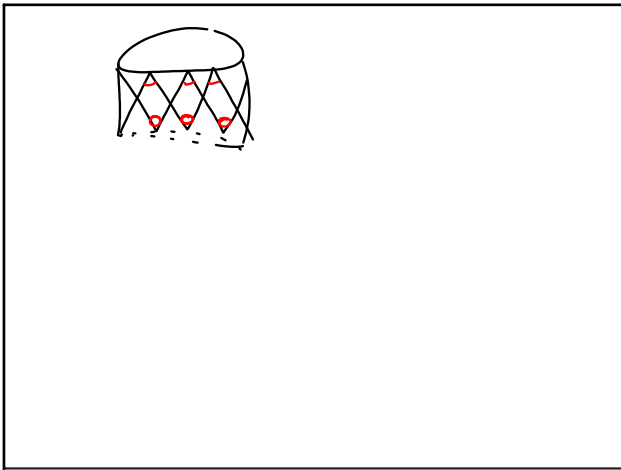
$$y = 25$$

$$14x - 10 + 5x = 180$$

$$19x - 10 = 180$$

$$\begin{array}{r} 19x - 10 = 180 \\ +10 \quad +10 \\ \hline 19x = 190 \\ x = 10 \end{array}$$

Jan 10-8:48 AM



Jan 10-8:54 AM

Jan 10-10:38 AM

$$2x - y + 60 = 180$$

$$2x - y = 120$$

$$2x + y + 40 = 180$$

$$2x + y = 140$$

$$\begin{array}{r} 2x - y = 120 \\ \oplus 2x + y = 140 \\ \hline 4x = 260 \\ x = 65 \end{array}$$

$$2(65) + y = 140$$

$$130 + y = 140$$

$$y = 10$$

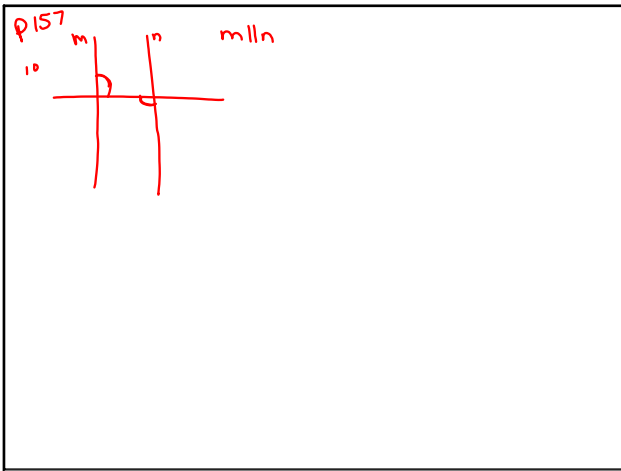
Jan 10-10:40 AM

a

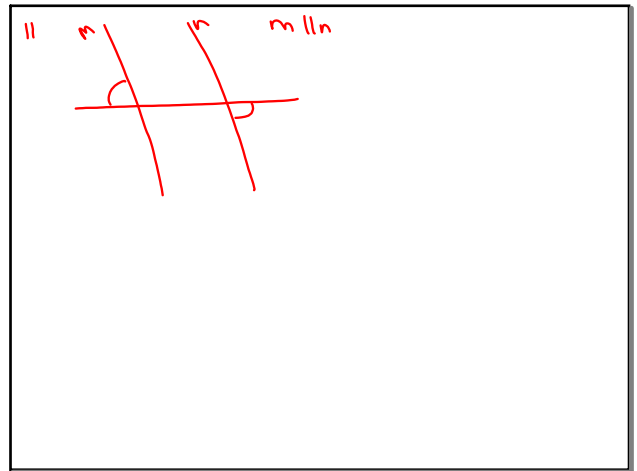
b

all b

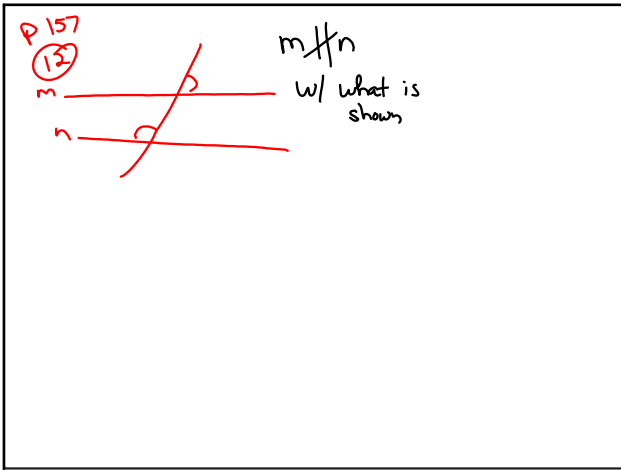
Jan 10-8:55 AM



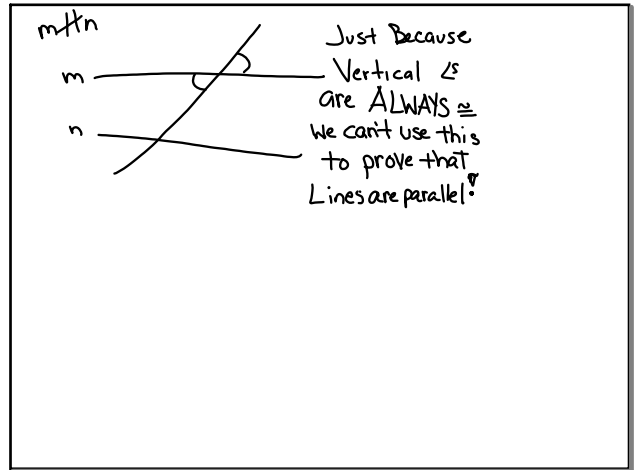
Jan 10-8:56 AM



Jan 10-8:59 AM



Jan 10-9:00 AM



Jan 10-10:46 AM