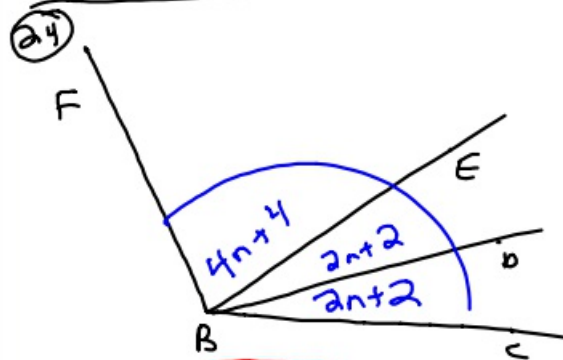


9-11-17 5th Geo

Ch. 1 test



$$\angle FBC = 6n + 48$$

$$\angle OBC = 2n + 2$$

$$\angle FBE = ?$$

$$4 \cdot 20 + 4 = 84$$

$$\begin{array}{r} 8n + 8 = 6n + 48 \\ -6n \quad -6n \\ \hline \end{array}$$

$$2n + 8 = 48$$

$$\begin{array}{r} -8 \quad -8 \\ \hline \end{array}$$

$$2n = 40$$

$$n = 20$$

Today's lesson

a: you are happy

b: you have \$100

c: you don't have school

$$\textcircled{1} \sim c \rightarrow \sim a$$

If you have school, then you are not happy.

$$\textcircled{2} b \therefore a$$

You have \$100. Therefore, you are happy.

$$\textcircled{3} b \rightarrow \sim c$$

If you have \$100, then you have school.

④ Let "If you are not^p at home then you can swim"^q be represented by $p \rightarrow q$.
What would represent "If you can swim, you are at home"?

$$q \rightarrow \sim p$$

⑤ Let "if $x^2 = 37$ ^p, then x is not a whole number"^q be represented by $p \rightarrow q$. What represents "If x is a whole number, then $x^2 \neq 37$ "?

$$\sim q \rightarrow \sim p$$

Tomorrow's Lesson

Properties

① Reflexive

$$a = a$$

$$\angle ABC = \angle ABC$$

$$\overline{BC} \cong \overline{BC}$$

② Symmetric

$$\text{If } AB = BC, \text{ then } BC = AB.$$

$$\text{If } 2 + 2 = 4, \text{ then } 4 = 2 + 2$$

$$\text{If } 3x + y = 10, \text{ then } 10 = 3x + y$$

③ Transitive

$$\text{If } A = B \text{ and } B = C, \text{ then } A = C$$

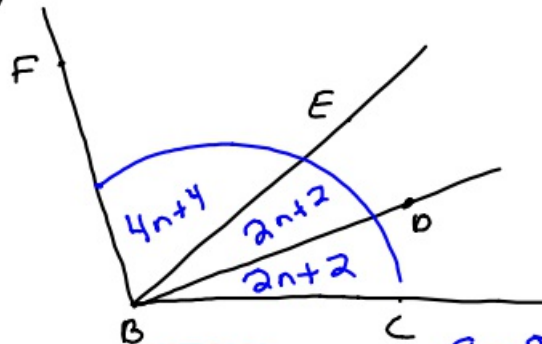
$$\text{If } \overline{AB} \cong \overline{BC} \text{ and } \overline{BC} \cong \overline{XY}, \text{ then}$$

$$\overline{AB} \cong \overline{XY}$$

9-11-17 6th Geo

Chapter 1 Test

(24)



$$\angle FBC = 6n + 48$$

$$\angle DBC = 2n + 2$$

$$\angle FBE = ? \quad \frac{4 \cdot 20 + 4}{84}$$

$$\begin{array}{r} 8n + 8 = 6n + 48 \\ -6n \quad -6n \\ \hline 2n + 8 = 48 \\ -8 \quad -8 \\ \hline 2n = 40 \\ n = 20 \end{array}$$

Review

- a: you have a lot of cash
- b: you don't have school
- c: you eat ice cream

① $\sim a \Rightarrow c$

If you don't have a lot of cash,
then you eat ice cream.

② $c \Rightarrow \sim b$

If you eat ice cream, you
have school.

③ $\sim a \Rightarrow \sim b$

If you don't have a lot of cash,
then you have school.

④ "If $\overset{p}{\text{you like fish}}$, then you

↪ $\text{Can't eat at my house}$ " is

represented by $\text{p} \rightarrow \text{q}$.

What would represent

"if you eat at my house, then you don't like fish"?

$$\sim \text{q} \rightarrow \sim \text{p}$$

⑤ Let p represent $x^2 = 37$ and

↪ q represent x is not a

whole number. What represents

"if x is a whole number, then $x^2 \neq 37$ "?

$$\sim \text{q} \rightarrow \sim \text{p}$$

Tomorrow's lesson

Properties

① Reflexive

$$* a = a$$

$$* \angle ABC = \angle ABC$$

$$* 5 = 5$$

② Symmetric

$$* \text{If } AB = CD, \text{ then } CD = AB.$$

$$* \text{If } 2 + 2 = 4, \text{ then } 4 = 2 + 2.$$

③ Transitive

$$* \text{If } a = b \text{ and } b = c, \text{ then } a = c$$

$$* \text{If } \overline{AB} \cong \overline{BC} \text{ and } \overline{BC} \cong \overline{XY}, \text{ then}$$

$$\overline{AB} \cong \overline{XY}$$