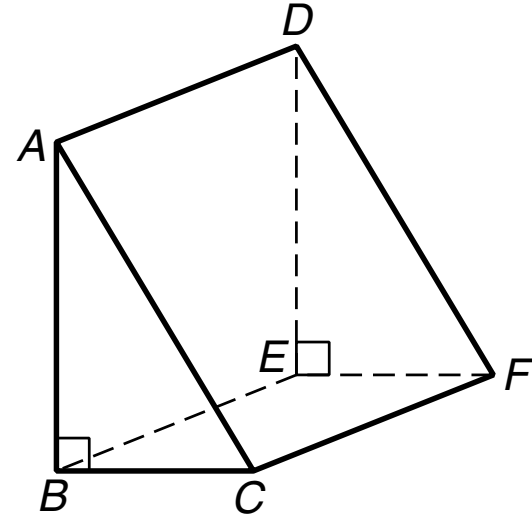


Russian Hideout 1

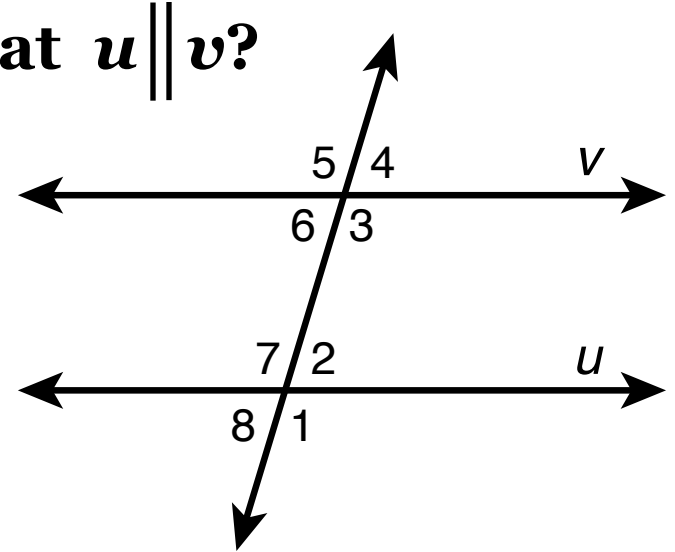
Which segment is perpendicular to \overline{DE} ?

- If \overline{AB} then go to 8
- If \overline{CF} then go to 4
- If \overline{DF} then go to 2
- If \overline{EF} then go to 7



Russian Hideout 2

What could you use to show that $u \parallel v$?



If $\angle 1$ and $\angle 8$ are supplementary. **then go to 3**

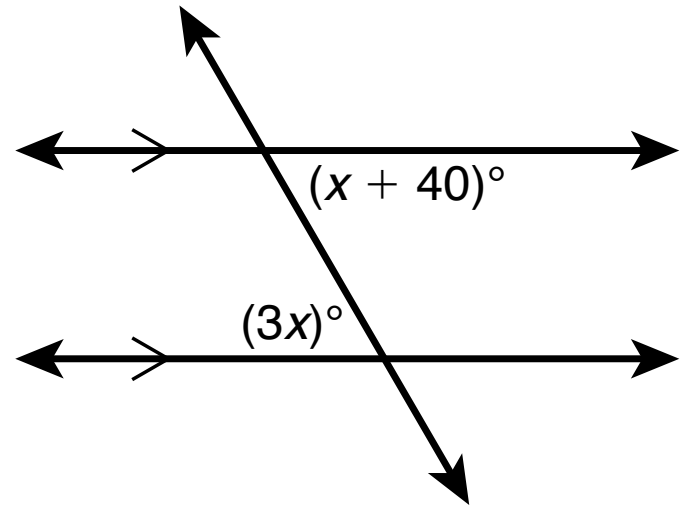
If $\angle 4$ and $\angle 8$ are supplementary. **then go to 8**

If $\angle 3$ and $\angle 7$ are congruent. **then go to 5**

If $\angle 7$ and $\angle 8$ are congruent. **then go to 6**

Russian Hideout 3

What is the value of x ?

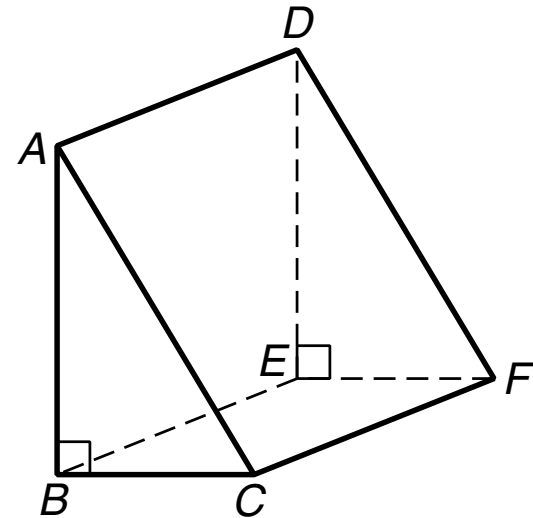


- If $x=10$ then go to 2
- If $x=20$ then go to 1
- If $x=35$ then go to 4
- If $x=45$ then go to 7

Russian Hideout 4

Which segment is NOT skew to \overline{DF} ?

- | | |
|--------------------|--------------|
| If \overline{AB} | then go to 3 |
| If \overline{AC} | then go to 1 |
| If \overline{BC} | then go to 5 |
| If \overline{BE} | then go to 6 |



Russian Hideout 5

If two coplanar lines are perpendicular to the same line, then the two lines are _____ to each other.

- | | |
|-------------------------|--------------|
| If <i>perpendicular</i> | then go to 4 |
| If <i>congruent</i> | then go to 8 |
| If <i>a bisector</i> | then go to 3 |
| If <i>parallel</i> | then go to 6 |

Russian Hideout 6

Tell whether the lines through the given points are parallel, perpendicular, or neither.

Line 1: $(0,1), (1,3)$

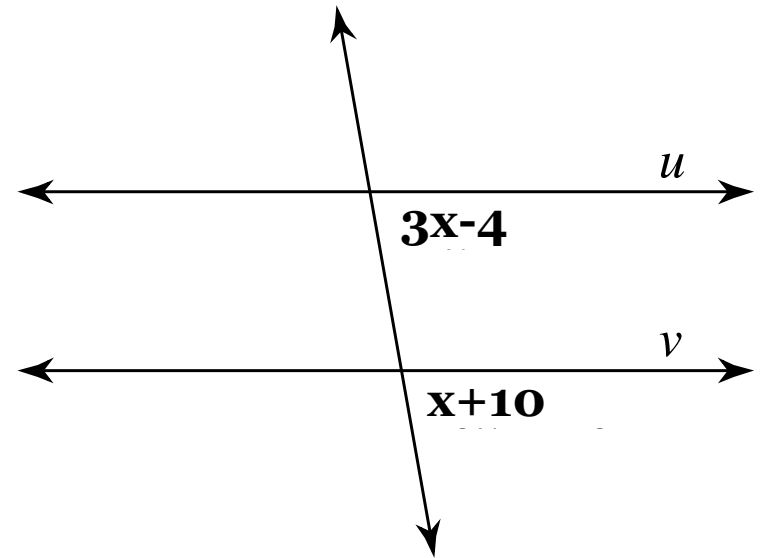
Line 2: $(4,-1), (5,2)$

- | | |
|----------------------------|--------------|
| If <i>parallel</i> | then go to 8 |
| If <i>perpendicular</i> | then go to 4 |
| If <i>neither</i> | then go to 3 |
| If <i>all of the above</i> | then go to 1 |

Russian Hideout 7

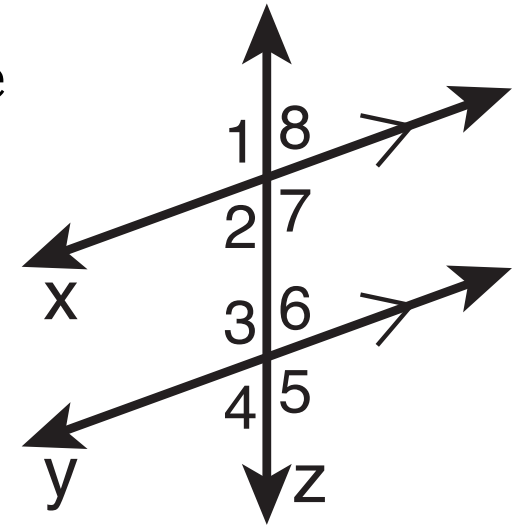
What value of x will show $u \parallel v$?

- If $x = -14$ then go to 5
- If $x = -7$ then go to 4
- If $x = 7$ then go to 8
- If $x = 14$ then go to 3



Russian Hideout 8

Which are an example of same-side interior angles?



If $\angle 1, \angle 2$

then go to 3

If $\angle 3, \angle 6$

then go to 4

If $\angle 2, \angle 3$

then go to 2

If $\angle 2, \angle 7$

then go to 1