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Unit 2 Part 1

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📖 9th to 12th grade 📋 Mathematics

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🕒 HOMEWORK

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38 Questions



Slideshow



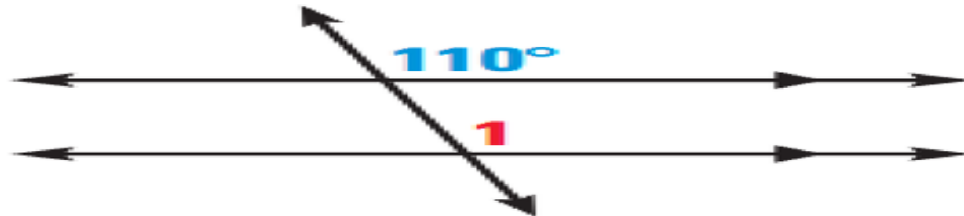
Answers



Print

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3 Mins



State the angle relationship and find the measure of angle 1

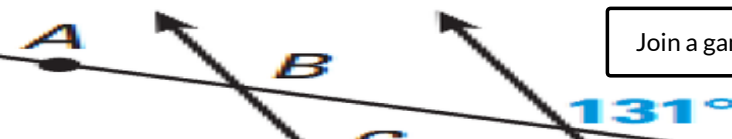


1

- Corresponding
110
- Alternate Exterior
110
- Corresponding
70
- Alternate Exterior
70

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3 Mins





2

State the angle relationship and find the measure of angle ABC

- Alternate Exterior
131
- Alternate Exterior
49
- Alternate Interior
131
- Alternate Interior
49



3

⌚ 2 Mins

For corresponding angles to be congruent, the two lines must be

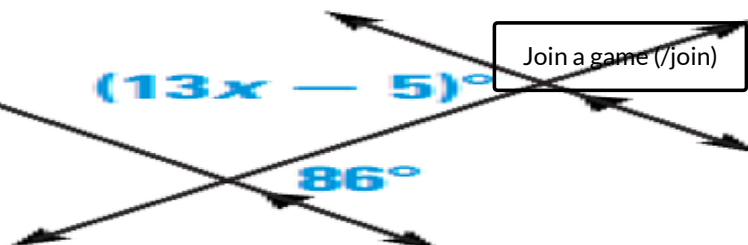
- congruent
- parallel
- perpendicular
- bisectors

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⌚ 3 Mins

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4

Find the value of x . State the angle relationship.

- $x = 7$
Same side interior
- $x = 7$
Alternate Interior
- $x = 7.615$
Same Side interior
- $x = 7.615$
Alternate Interior



5

If lines are parallel, then same side interior angles are _____

⌚ 2 Mins

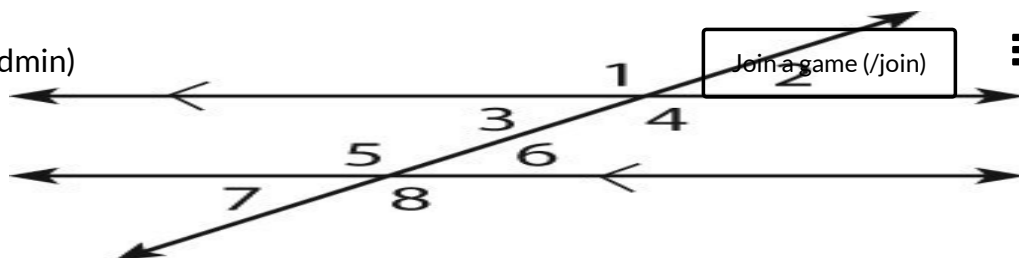
- congruent
- parallel
- supplementary
- complementary

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⌚ 5 Mins

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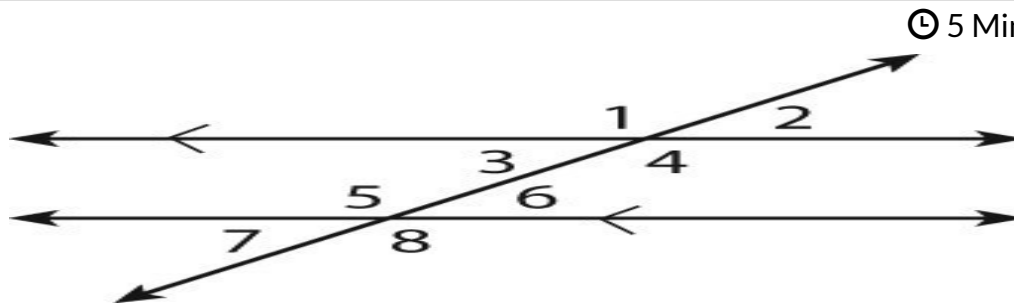


6

Which pair of angles are alternate exterior angles?

- Angle 7 and Angle 4
- Angle 2 and Angle 6
- Angle 8 and Angle 1
- Angle 2 and Angle 8

⌚ 5 Mins



👁 7

Which of these angles is NOT congruent to angle 5?

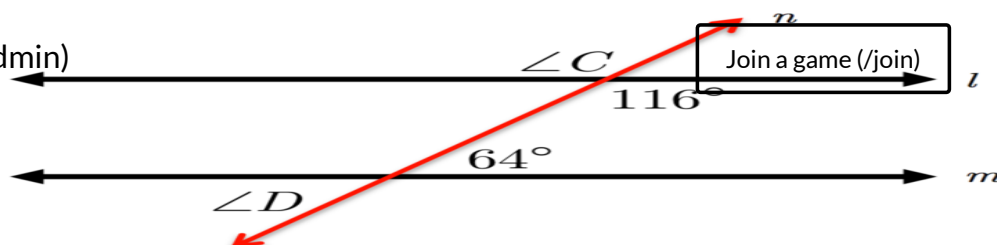
- Angle 6
- Angle 8
- Angle 1
- Angle 4

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⌚ 1 Mins

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(/admin)



👁 8

Identify the correct statement.

- $\angle C = 116^\circ$
- $\angle C = 64^\circ$

$\angle C = 180^\circ$
 $\angle C = 26^\circ$

⌚ 45 Secs

10) Statement	Reason
M is the midpoint of \overline{AB}	Given
$\therefore \overline{AM} \cong \overline{MB}$	



9

What is the reason?

- Definition of midpoint
- Definition of congruence
- Definition of segment
- Definition of bisects

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⌚ 20 Secs

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 $\angle C \cong \angle H$ and


 $\angle H \cong \angle A$ so

 $\angle C \cong \angle A$


10

What is the justification?

- Symmetric Prop.
- Angle addition postulate
- Reflexive Prop
- Transitive Prop.

⌚ 30 Secs



11

What is always the 1st statement in reason column of a proof?

- Prove
- Given
- Reason
- Statement

⌚ 30 Secs



12

The Triangle Sum Theorem deals with _____ of a triangle

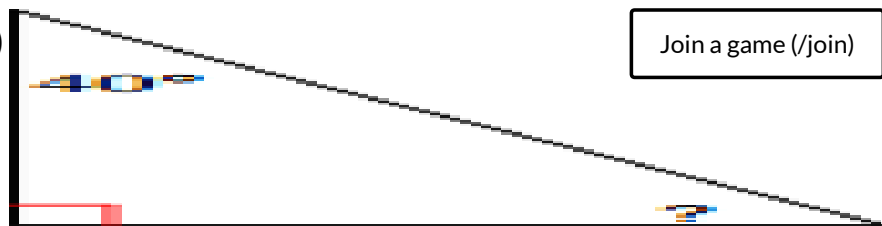
- angles
- sides
- circles
- lines

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⌚ 1 Mins

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13

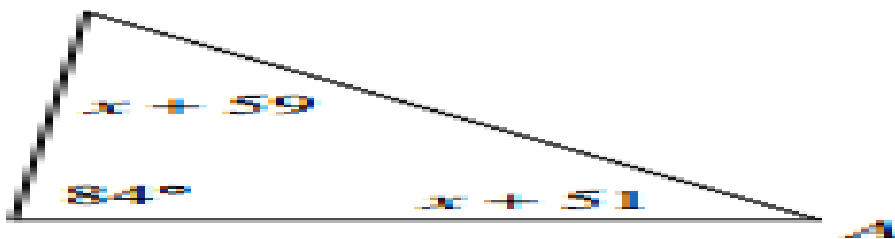
Find the measure of the missing angle.

- 90°
- 10°
- 130°
- 50°

⌚ 1 Mins



14



Find the measure of angle A.

- 44°
- 96°
- -14°
- 63°

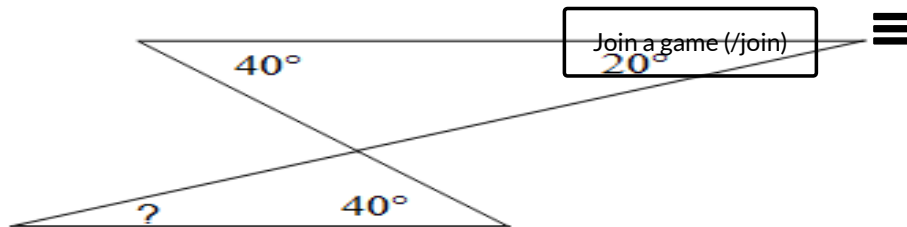
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1 Mins

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14)

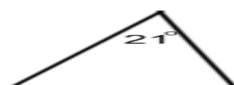


15

Find the measure of the indicated angle.

- 145 degrees
- 24 degrees
- 20 degrees
- 21 degrees

2 Mins

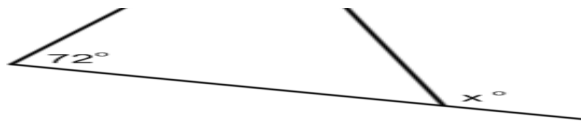




16

Find x

- 87
- 180
- 93
- 25



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🕒 15 Mins

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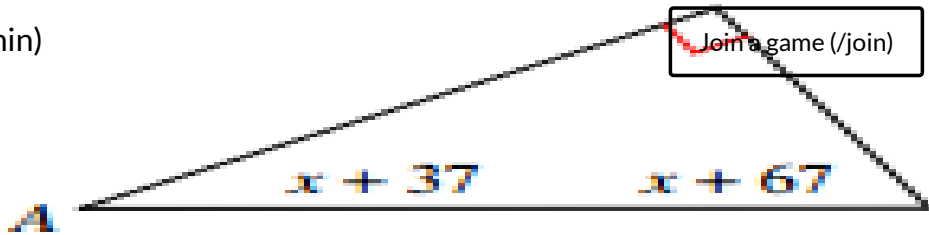
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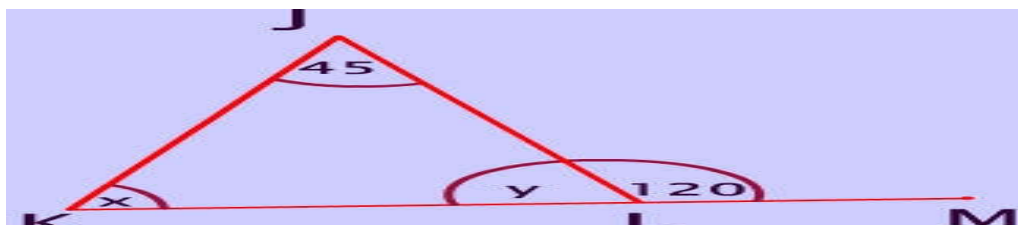
17

Find the measure of angle A.

- 75°
- 60°
- 30°
- 38°



🕒 30 Secs





18

What is the measure of angle x?

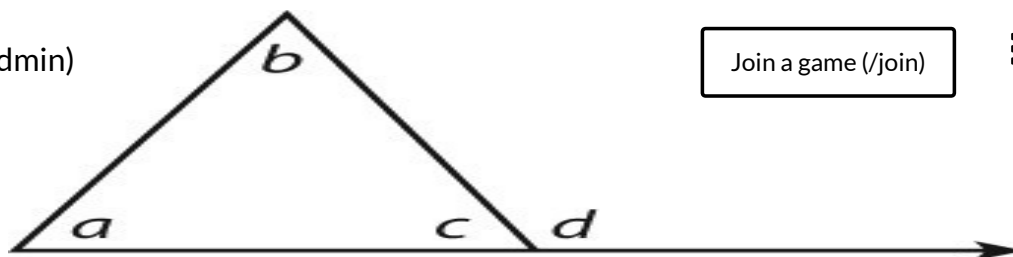
- 45
- 60
- 65
- 75

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30 Secs

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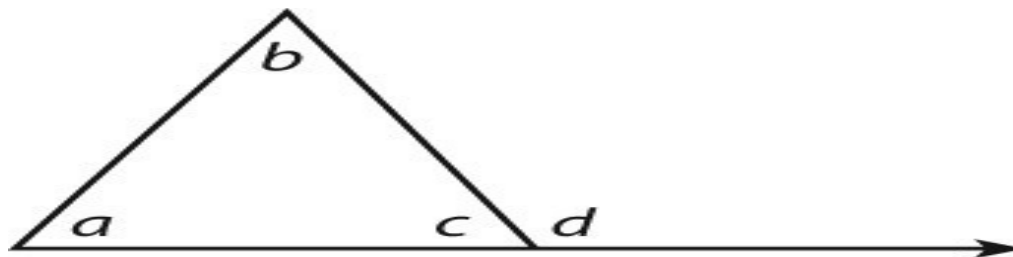


19

Which of the following angles are remote interior angles to angle d?

- Angle a and Angle b
- Angle b and Angle c
- Angle a and Angle c
- Angle a and Angle b and Angle c

30 Secs



20

Which of the following terms best describes Angle d?

- Remote interior angle
- Corresponding angle
- Exterior angle
- Interior angle

⌚ 3 Mins

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A) 60°
B) 68°

C) 49°
D) 50°

- A
- B
- C
- D

⌚ 30 Secs

Is DE 1/2 the length of BC?

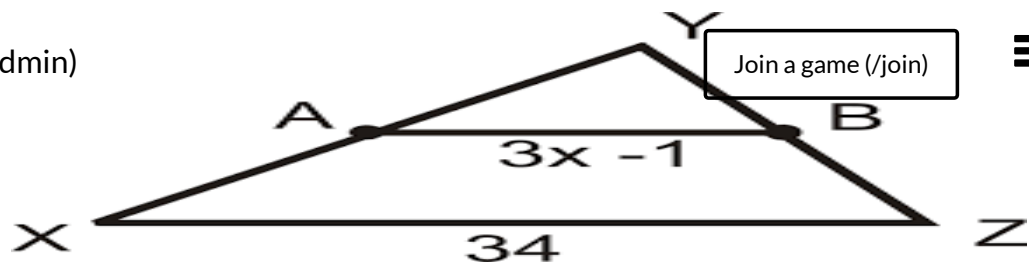
- Yes
- No

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⌚ 30 Secs

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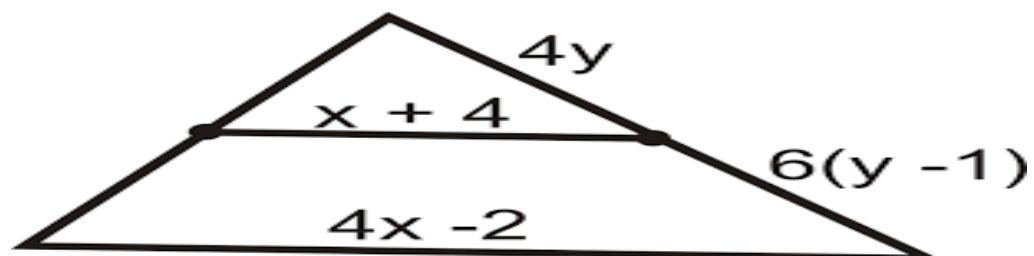


23

Find the length of AB

- 6
- 11
- 17
- 68

⌚ 2 Mins



24

What is the value of y ? (the segment in the middle is the midsegment)

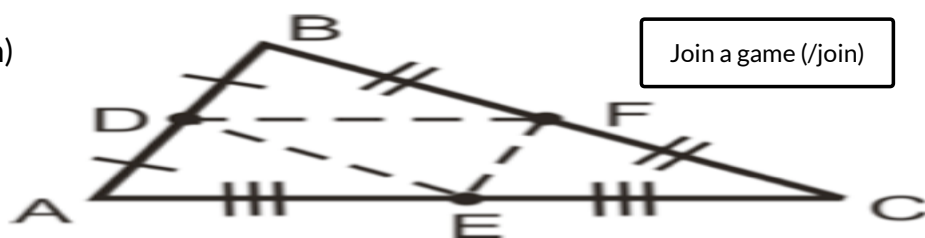
- 3
- 3
- No Solution
- 5

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⌚ 30 Secs

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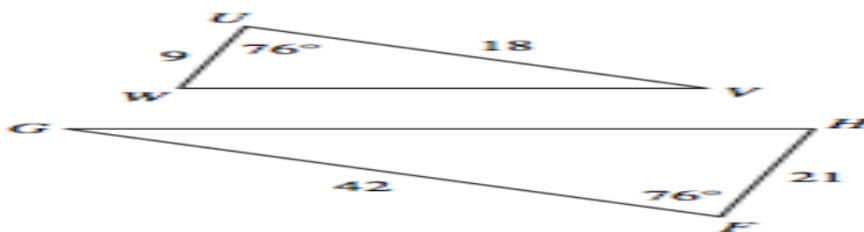


25

If $BD=16$, $EA=5$ and $FC=3$, what is the perimeter of triangle ABC

- 48
- 16
- 27
- 29

⌚ 45 Secs



26

How do these triangles appear to be similar?

- AA
- SAS
- SSS
- Not Similar

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🕒 45 Secs

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27

How do these triangles appear to be similar?

- AA
- SAS
- SSS
- Not Similar

🕒 45 Secs

28

How do these triangles appear to be similar?
(Hint: Look for non-labeled parts!)

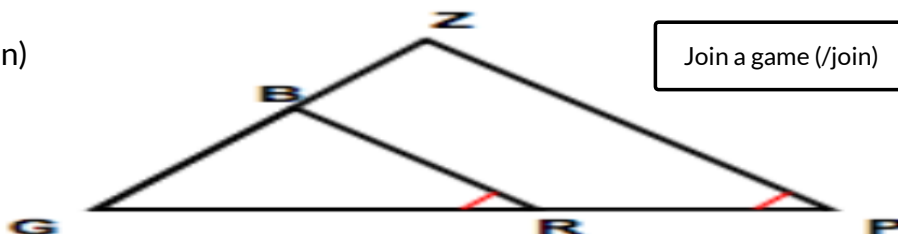
- AA
- SAS
- SSS
- Not Similar

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⌚ 45 Secs

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29

How do these triangles appear to be similar?
(Hint: Look for non-labeled parts!)

- AA
- SAS
- SSS
- Not Similar

⌚ 45 Secs

In similar Polygons, corresponding sides are ___ and corresponding angles are ___. (Fill in the blanks)



30

- congruent, proportional
- proportional, congruent
- congruent, congruent
- proportional, proportional

⌚ 3 Mins

Which of the following is NOT true about similar figures?



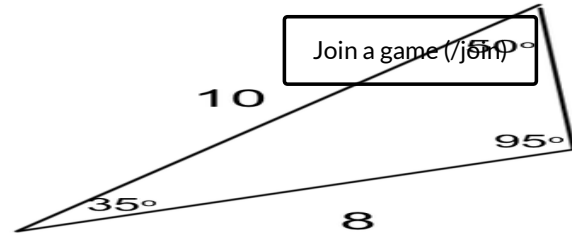
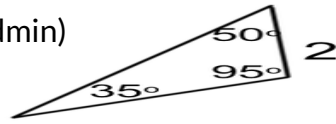
31

- A) Similar figures always have the same shape.
- B) Similar figures always have the same size.
- C) Similar figures always have corresponding angles that are equal.
- D) Similar figures always have corresponding sides that are proportional.

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🕒 1 Mins

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32

The triangles are similar by...

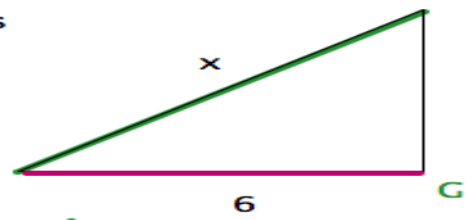
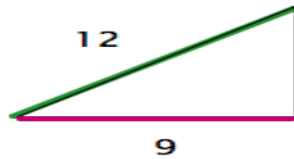
- SAS
- AA
- ASA
- SSS



33

These Δ s are similar, which means they have proportional sides

🕒 2 Mins



$x =$

- 3
- 1.5
- 8
- $2/3$

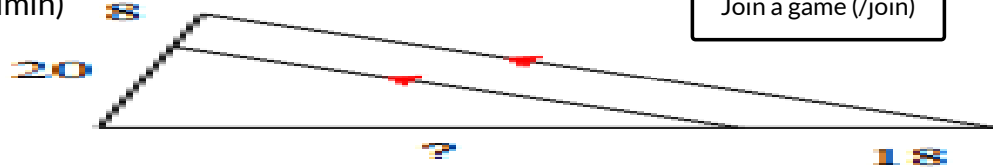
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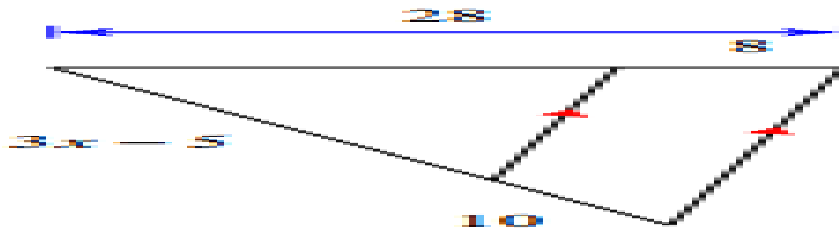


34

Find the missing length indicated. (Little over big...)

- 30
- 25
- 45
- 50

🕒 5 Mins



35

Solve for x.

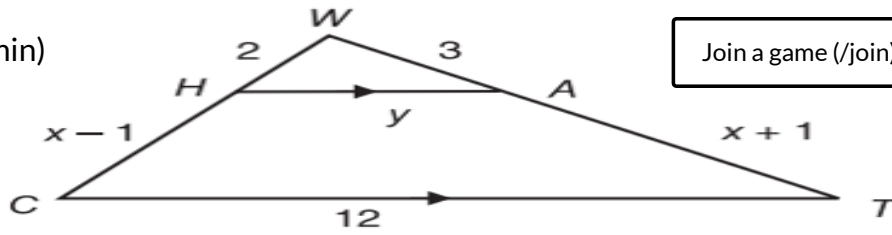
- 25
- 10
- 10
- 25

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⌚ 3 Mins

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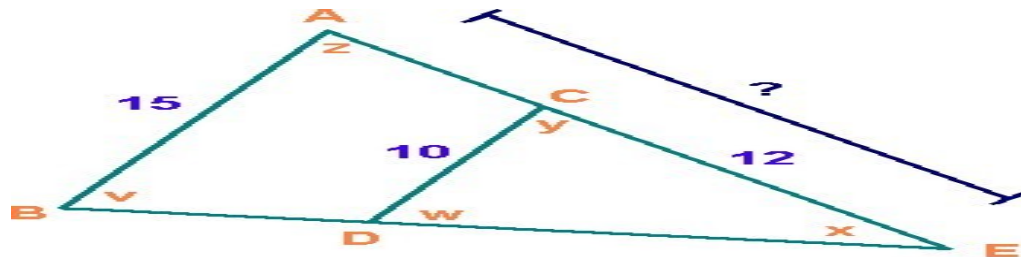


36

Solve for x.

- x = 2
- x = -1
- x = 1
- x = 5

⌚ 5 Mins



37

The triangles are similar, solve for the question mark.

- 8
- 12.5
- 18
- 24

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⌚ 5 Mins