

Question 1

M is the midpoint of RS. Find the length of segment RM if $RM = 16x + 4$ and $MS = 20x - 8$.

RM =

Question 2

What is the answer for #8?

$x =$

$YZ =$

8. $XY = 4x - 9$, $YZ = 3x + 5$, and $XZ = 17$

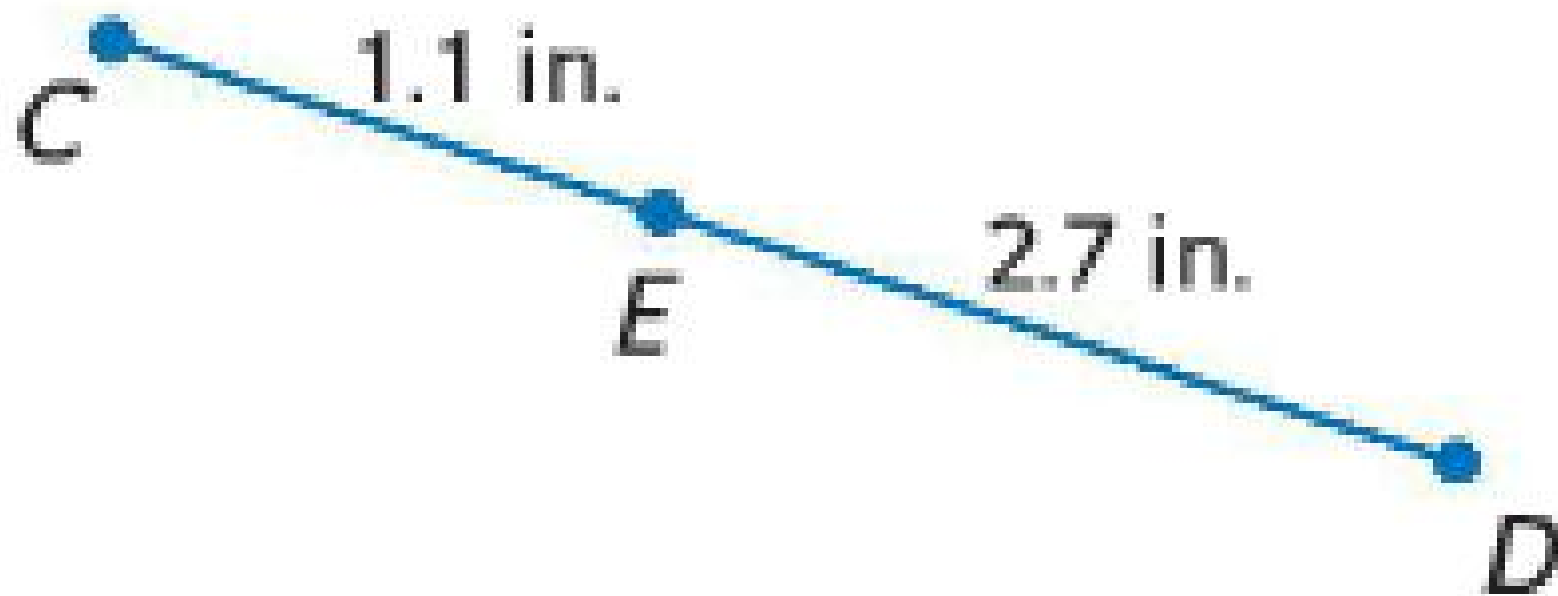
Question 3

What is the answer for #1?

CD =

1.

CD



Question 4

What is the answer for #9?

$x =$

$YZ =$

9. $XY = 11$, $YZ = 4x$, $XZ = 83$

Question 5

What is the answer for #6?

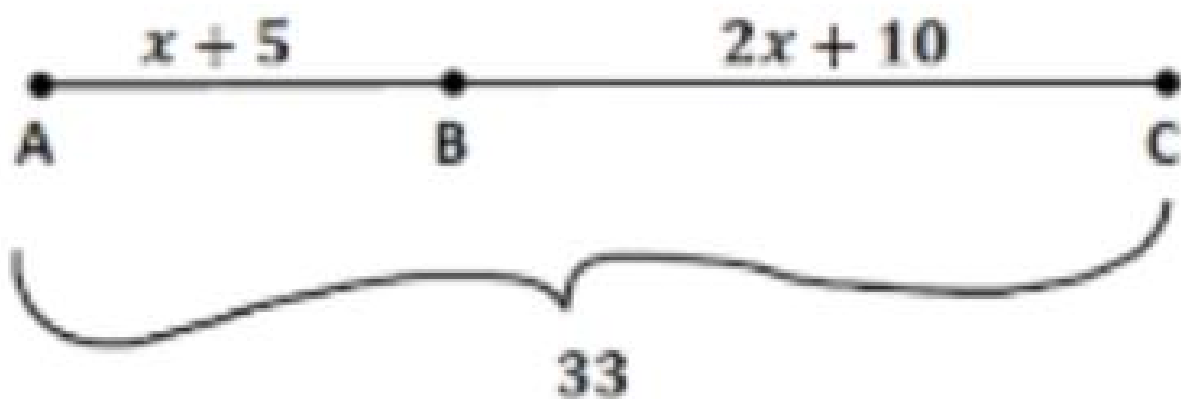
FG =

6. FG



Question 6

Find the value of x .



Your answer:

- ☐ 5
- ☐ 6
- ☐ 7
- ☐ 8

Question 7

What is the answer for #2?

RS =

2. RS



Question 8

What is the answer for #13?

$y =$

$FG =$

13. $FM = 5y + 13$, $MG = 5 - 3y$, $FG = ?$

Question 9

What is the answer for #5?

WY =

5.

Wy



Question 10

What is the answer for #16?

$x =$

16. $MG = 7x - 15$, $FG = 33$, $X = ?$

Question 11

What is the answer for #4?

PR =

4. PR



Question 12

What is the answer for #12?

$x =$

$YZ =$

12. $XY = 6x, YZ = 8x, XZ = 175$

Question 13

What is the answer for #7?

$x =$

$YZ =$

7. $XY = 2x$, $YZ = 4x$, and $XZ = 12$

Question 14

What is the answer for #15?

$x =$

$FG =$

15. $FM = 3x - 4$, $MG = 5x - 26$, $FG = ?$

Question 15

What is the answer for #14?

$a =$

14. $FM = 8a + 1, FG = 42, a = ?$

Question 16

What is the answer for #10?

$x =$

$YZ =$

10. $XY = 7x, YZ = 5x, XZ = 6x + 24$

Question 17

What is the answer for #11?

X =

YZ =

11. $XY = 4x + 3, YZ = 2x - 7, XZ = 22$

Question 18

C is between A and B. If $AC = 2x$, $CB = 3x - 1$, and $AB = 9$, find the length of AC.

AC =

Question 19

What is the answer for #3?

JL =

3. JL

