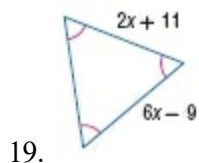


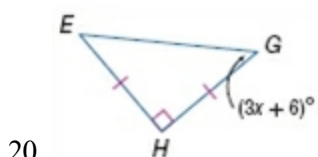
4-6 Isosceles and Equilateral Triangles

REGULARITY Find the value of each variable.



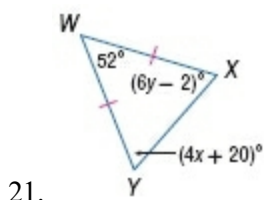
ANSWER:

$$x = 5$$



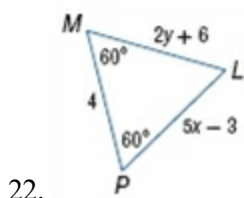
ANSWER:

$$x = 13$$



ANSWER:

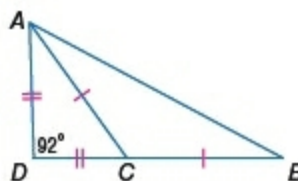
$$x = 11, y = 11$$



ANSWER:

$$x = 1.4, y = -1$$

REGULARITY Find each measure.



29. $m\angle CAD$

ANSWER:

$$44$$

30. $m\angle ACD$

ANSWER:

$$44$$

31. $m\angle ACB$

ANSWER:

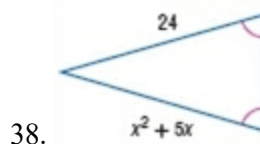
$$136$$

32. $m\angle ABC$

ANSWER:

$$22$$

Find the value of each variable.



ANSWER:

$$3$$

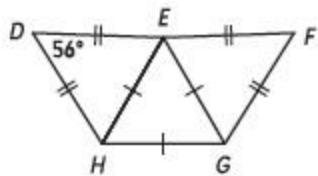
49. **OPEN-ENDED** If possible, draw an isosceles triangle with base angles that are obtuse. If it is not possible, explain why not.

ANSWER:

It is not possible because a triangle cannot have more than one obtuse angle.

4-6 Isosceles and Equilateral Triangles

53. What is $m\angle FEG$?



- A 34
- B 56
- C 60
- D 62
- E 124

ANSWER:

D