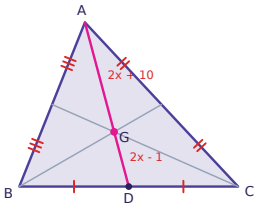
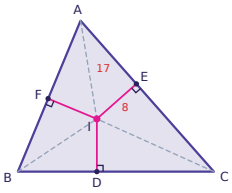
Centroid, Circumcenter & Incenter · 1

G is the centroid of △ABC. AG = 2x + 10 and GD = 2x - 1. Find x.



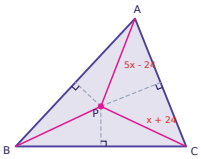
Centroid, Circumcenter & Incenter · 2

I is the incenter of △ABC. IE = 8 and IA = 17. Find AE.



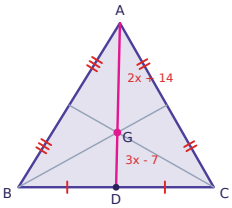
Centroid, Circumcenter & Incenter · 3

P is the circumcenter of △ABC. PA = 5x - 24 and PC = x + 24. Find PB.



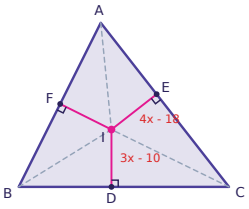
Centroid, Circumcenter & Incenter · 4

G is the centroid of △ABC. AG = 2x + 14 and GD = 3x - 7. Find AD.



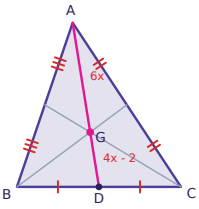
Centroid, Circumcenter & Incenter · 5

I is the incenter of △ABC. ID = 3x - 10 and IE = 4x - 18. Find IF.



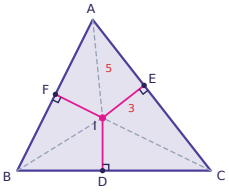
Centroid, Circumcenter & Incenter · 6

G is the centroid of △ABC. AG = 6x and GD = 4x - 2. Find x.



Centroid, Circumcenter & Incenter · 7

I is the incenter of △ABC. IE = 3 and IA = 5. Find AE.



Centroid, Circumcenter & Incenter · 8

Which point of concurrency is the same distance from all three vertices of a triangle: centroid, circumcenter, incenter, or orthocenter?

Centroid, Circumcenter & Incenter · 2

ANSWER

15

Centroid, Circumcenter & Incenter · 1

ANSWER

6

Centroid, Circumcenter & Incenter · 4

ANSWER

42

Centroid, Circumcenter & Incenter · 3

ANSWER

36

Centroid, Circumcenter & Incenter · 6

ANSWER

2

Centroid, Circumcenter & Incenter · 5

ANSWER

14

Centroid, Circumcenter & Incenter · 8

ANSWER

circumcenter

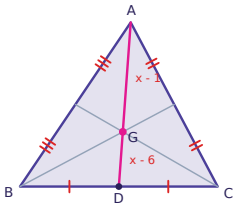
Centroid, Circumcenter & Incenter · 7

ANSWER

4

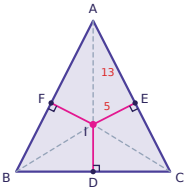
Centroid, Circumcenter & Incenter · 9

G is the centroid of △ABC. AG = x - 1 and GD = x - 6. Find x.



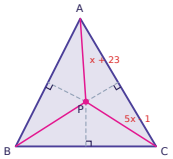
Centroid, Circumcenter & Incenter · 10

I is the incenter of △ABC. IE = 5 and IA = 13. Find AE.



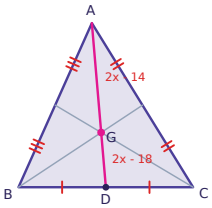
Centroid, Circumcenter & Incenter · 11

P is the circumcenter of △ABC. PA = x + 23 and PC = 5x - 1. Find PB.



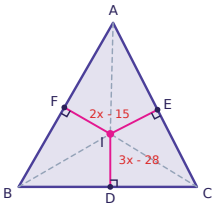
Centroid, Circumcenter & Incenter · 12

G is the centroid of △ABC. AG = 2x - 14 and GD = 2x - 18. Find AD.



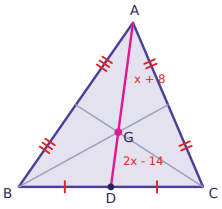
Centroid, Circumcenter & Incenter · 13

I is the incenter of △ABC. ID = 3x - 28 and IE = 2x - 15. Find IF.



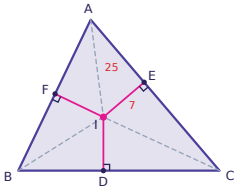
Centroid, Circumcenter & Incenter · 14

G is the centroid of △ABC. AG = x + 8 and GD = 2x - 14. Find x.



Centroid, Circumcenter & Incenter · 15

I is the incenter of △ABC. IE = 7 and IA = 25. Find AE.



Centroid, Circumcenter & Incenter · 16

The perpendicular bisectors of the sides of a triangle meet at which point: centroid, circumcenter, incenter, or orthocenter?

Centroid, Circumcenter & Incenter · 10

ANSWER

12

Centroid, Circumcenter & Incenter · 9

ANSWER

11

Centroid, Circumcenter & Incenter · 12

ANSWER

12

Centroid, Circumcenter & Incenter · 11

ANSWER

29

Centroid, Circumcenter & Incenter · 14

ANSWER

12

Centroid, Circumcenter & Incenter · 13

ANSWER

11

Centroid, Circumcenter & Incenter · 16

ANSWER

circumcenter

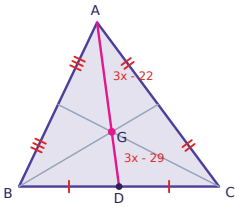
Centroid, Circumcenter & Incenter · 15

ANSWER

24

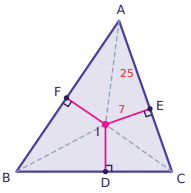
Centroid, Circumcenter & Incenter · 17

G is the centroid of △ABC. AG = 3x - 22 and GD = 3x - 29. Find x.



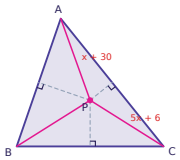
Centroid, Circumcenter & Incenter · 18

I is the incenter of △ABC. IE = 7 and IA = 25. Find AE.



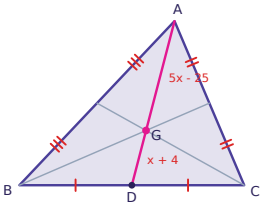
Centroid, Circumcenter & Incenter · 19

P is the circumcenter of △ABC. PA = x + 30 and PC = 5x + 6. Find x.



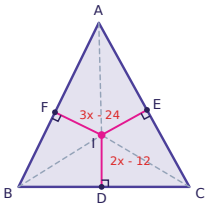
Centroid, Circumcenter & Incenter · 20

G is the centroid of △ABC. AG = 5x - 25 and GD = x + 4. Find AD.



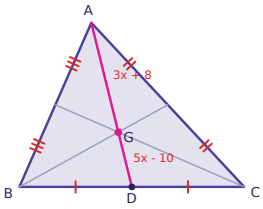
Centroid, Circumcenter & Incenter · 21

I is the incenter of △ABC. ID = 2x - 12 and IE = 3x - 24. Find IF.



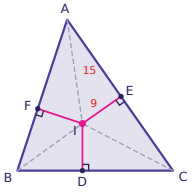
Centroid, Circumcenter & Incenter · 22

G is the centroid of △ABC. AG = 3x + 8 and GD = 5x - 10. Find x.



Centroid, Circumcenter & Incenter · 23

I is the incenter of △ABC. IE = 9 and IA = 15. Find AE.



Centroid, Circumcenter & Incenter · 24

The medians of a triangle meet at which point: centroid, circumcenter, incenter, or orthocenter?

Centroid, Circumcenter & Incenter · 18

ANSWER

24

Centroid, Circumcenter & Incenter · 17

ANSWER

12

Centroid, Circumcenter & Incenter · 20

ANSWER

45

Centroid, Circumcenter & Incenter · 19

ANSWER

6

Centroid, Circumcenter & Incenter · 22

ANSWER

4

Centroid, Circumcenter & Incenter · 21

ANSWER

12

Centroid, Circumcenter & Incenter · 24

ANSWER

centroid

Centroid, Circumcenter & Incenter · 23

ANSWER

12