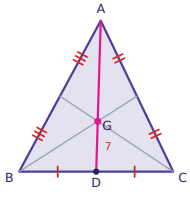
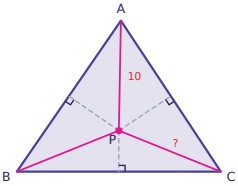
Centroid, Circumcenter & Incenter · 1

G is the centroid of △ABC and GD = 7. Find AD.



Centroid, Circumcenter & Incenter · 2

P is the circumcenter of △ABC and PA = 10. Find PC.

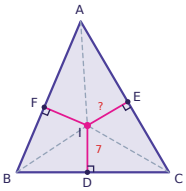


Centroid, Circumcenter & Incenter · 3

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

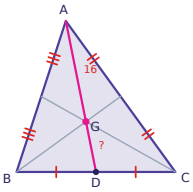
Centroid, Circumcenter & Incenter · 4

I is the incenter of △ABC and ID = 7. Find IE.



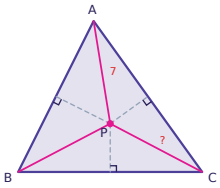
Centroid, Circumcenter & Incenter · 5

G is the centroid of △ABC and AG = 16. Find GD.



Centroid, Circumcenter & Incenter · 6

P is the circumcenter of △ABC and PA = 7. Find PC.

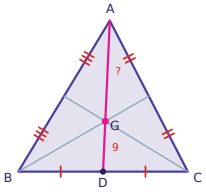


Centroid, Circumcenter & Incenter · 7

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

Centroid, Circumcenter & Incenter · 8

G is the centroid of △ABC and GD = 9. Find AG.



Centroid, Circumcenter & Incenter · 2

ANSWER

10

Centroid, Circumcenter & Incenter · 1

ANSWER

21

Centroid, Circumcenter & Incenter · 4

ANSWER

7

Centroid, Circumcenter & Incenter · 3

ANSWER

incenter

Centroid, Circumcenter & Incenter · 6

ANSWER

7

Centroid, Circumcenter & Incenter · 5

ANSWER

8

Centroid, Circumcenter & Incenter · 8

ANSWER

18

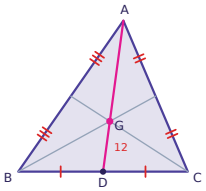
Centroid, Circumcenter & Incenter · 7

ANSWER

orthocenter

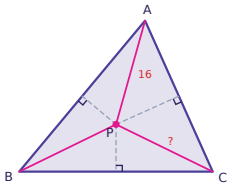
Centroid, Circumcenter & Incenter · 9

G is the centroid of △ABC and GD = 12. Find AD.



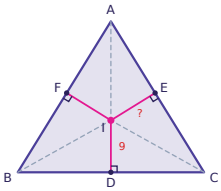
Centroid, Circumcenter & Incenter · 10

P is the circumcenter of △ABC and PA = 16. Find PC.



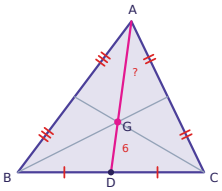
Centroid, Circumcenter & Incenter · 11

I is the incenter of △ABC and ID = 9. Find IE.



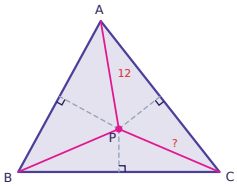
Centroid, Circumcenter & Incenter · 12

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



Centroid, Circumcenter & Incenter · 13

P is the circumcenter of △ABC and PA = 12. Find PC.

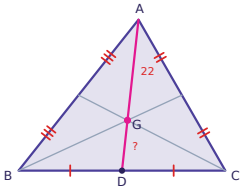


Centroid, Circumcenter & Incenter · 14

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

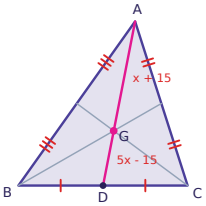
Centroid, Circumcenter & Incenter · 15

G is the centroid of △ABC and AG = 22. Find GD.



Centroid, Circumcenter & Incenter · 16

G is the centroid of △ABC. AG = x + 15 and GD = 5x - 15. Find x.



Centroid, Circumcenter & Incenter · 10

ANSWER

16

Centroid, Circumcenter & Incenter · 9

ANSWER

36

Centroid, Circumcenter & Incenter · 12

ANSWER

12

Centroid, Circumcenter & Incenter · 11

ANSWER

9

Centroid, Circumcenter & Incenter · 14

ANSWER

centroid

Centroid, Circumcenter & Incenter · 13

ANSWER

12

Centroid, Circumcenter & Incenter · 16

ANSWER

5

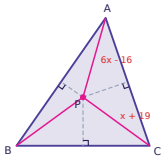
Centroid, Circumcenter & Incenter · 15

ANSWER

11

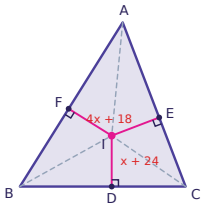
Centroid, Circumcenter & Incenter · 17

P is the circumcenter of △ABC. PA = 6x - 16 and PC = x + 19. Find PB.



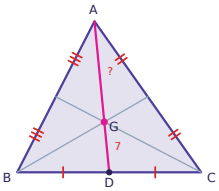
Centroid, Circumcenter & Incenter · 18

I is the incenter of △ABC. ID = x + 24 and IE = 4x + 18. Find IF.



Centroid, Circumcenter & Incenter · 19

G is the centroid of △ABC and GD = 7. Find AG.

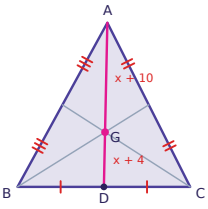


Centroid, Circumcenter & Incenter · 20

Which point of concurrency is the balance point (center of gravity) of a triangle: centroid, circumcenter, incenter, or orthocenter?

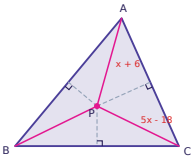
Centroid, Circumcenter & Incenter · 21

G is the centroid of △ABC. AG = x + 10 and GD = x + 4. Find x.



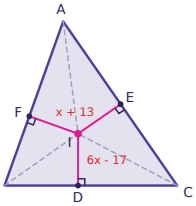
Centroid, Circumcenter & Incenter · 22

P is the circumcenter of △ABC. PA = x + 6 and PC = 5x - 18. Find PB.



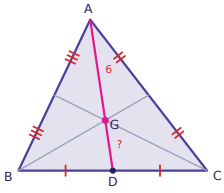
Centroid, Circumcenter & Incenter · 23

I is the incenter of △ABC. ID = 6x - 17 and IE = x + 13. Find IF.



Centroid, Circumcenter & Incenter · 24

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



Centroid, Circumcenter & Incenter · 18

ANSWER

26

Centroid, Circumcenter & Incenter · 17

ANSWER

26

Centroid, Circumcenter & Incenter · 20

ANSWER

centroid

Centroid, Circumcenter & Incenter · 19

ANSWER

14

Centroid, Circumcenter & Incenter · 22

ANSWER

12

Centroid, Circumcenter & Incenter · 21

ANSWER

2

Centroid, Circumcenter & Incenter · 24

ANSWER

3

Centroid, Circumcenter & Incenter · 23

ANSWER

19