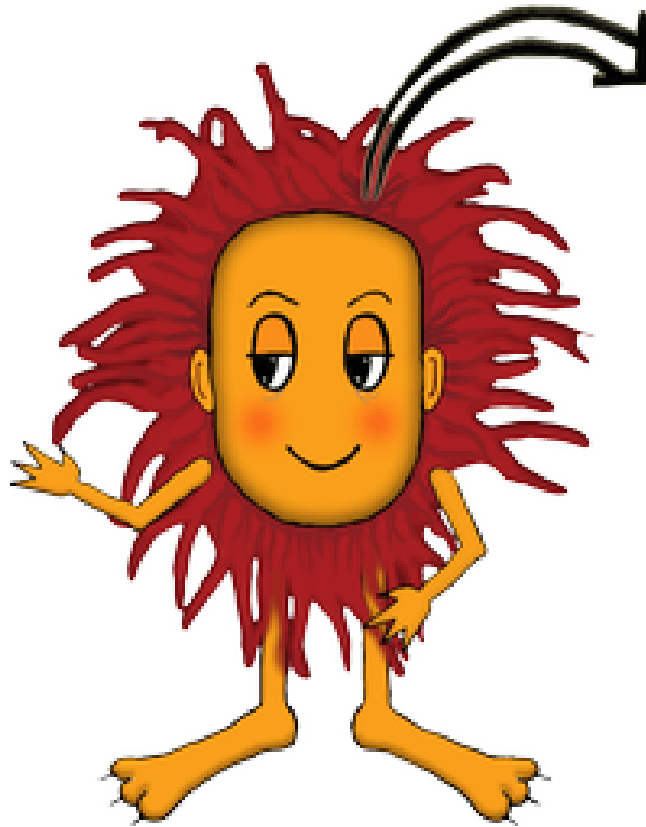


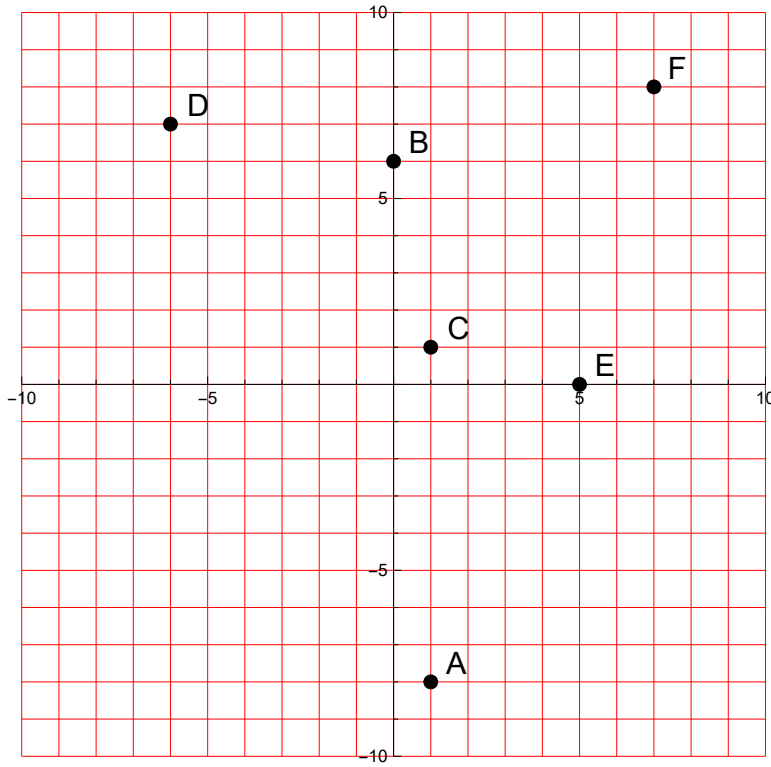
# Velika logična pošast



Izračunaj razdalje med točkami – Pitagorov izrek

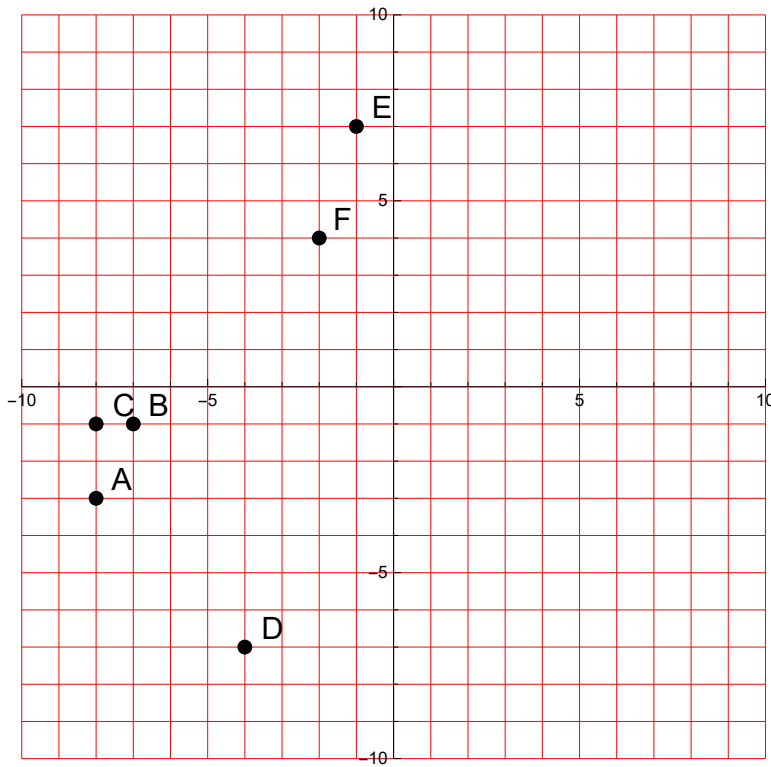
Dane so točke A, B, C, ...  
Izračunaj razdalje med točkami:  
 $|AB|$ ,  $|AC|$ , ...,  $|BC|$ , ...

1.



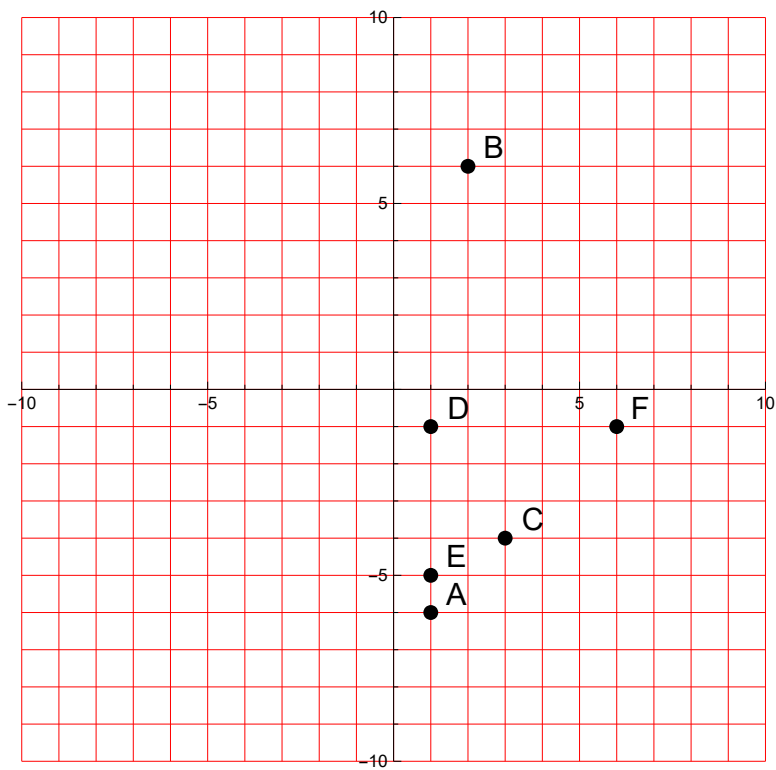
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- |CD| =
- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

2.



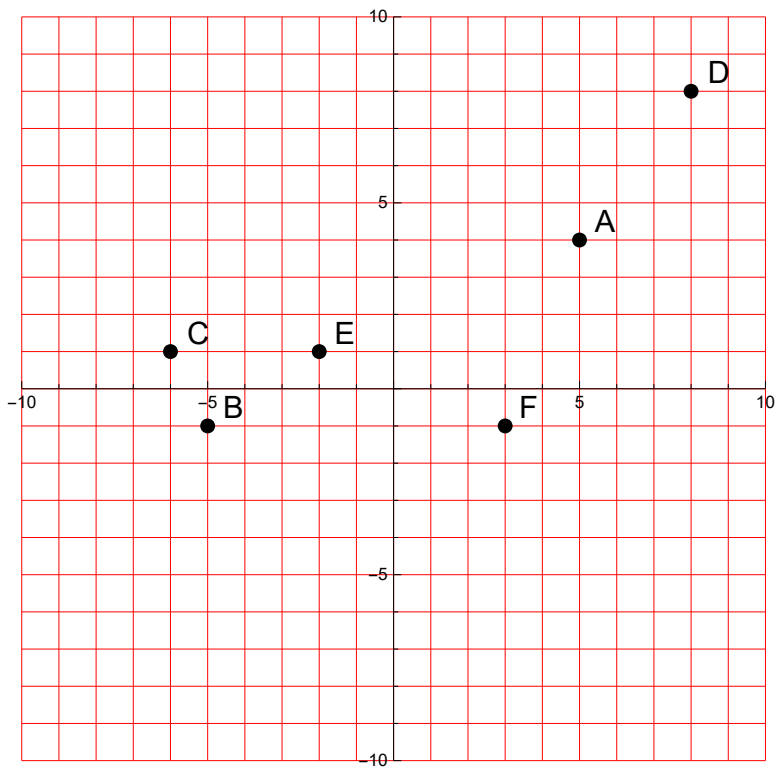
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- |CD| =
- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

3.



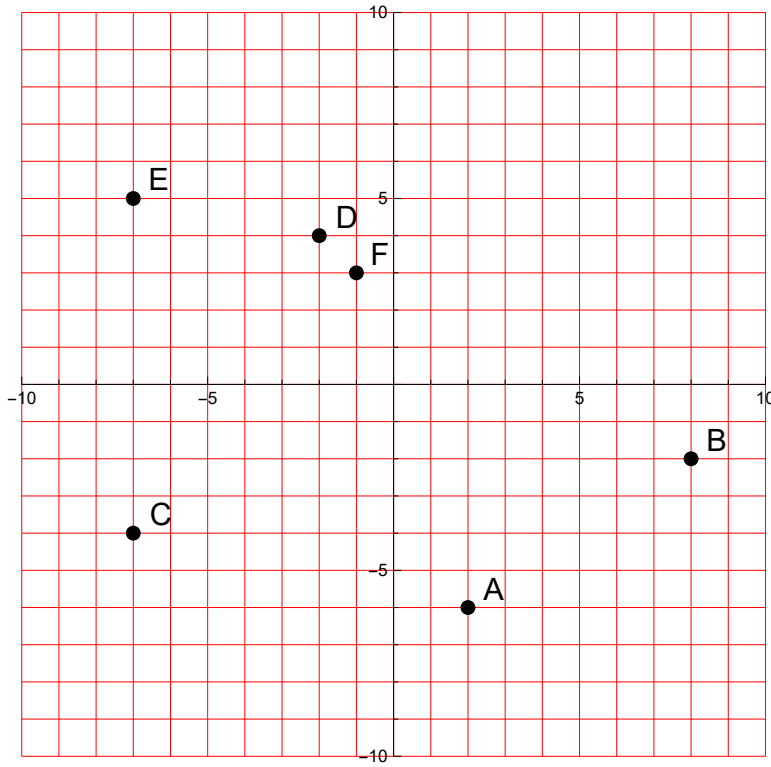
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- |CD| =
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- |CF| =
- |DE| =
- |DF| =
- |EF| =

4.



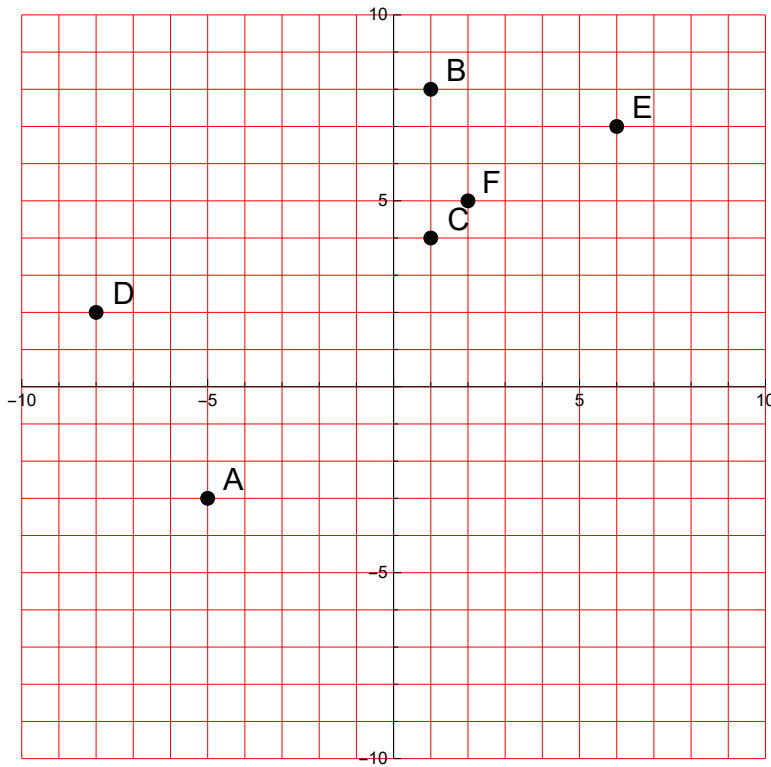
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- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

5.



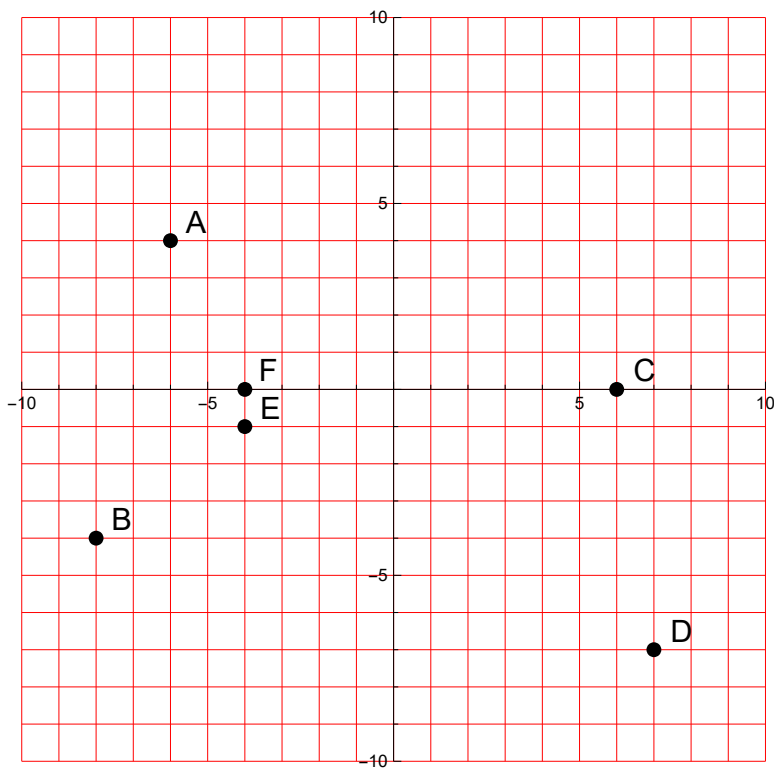
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- |CD| =
- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

6.



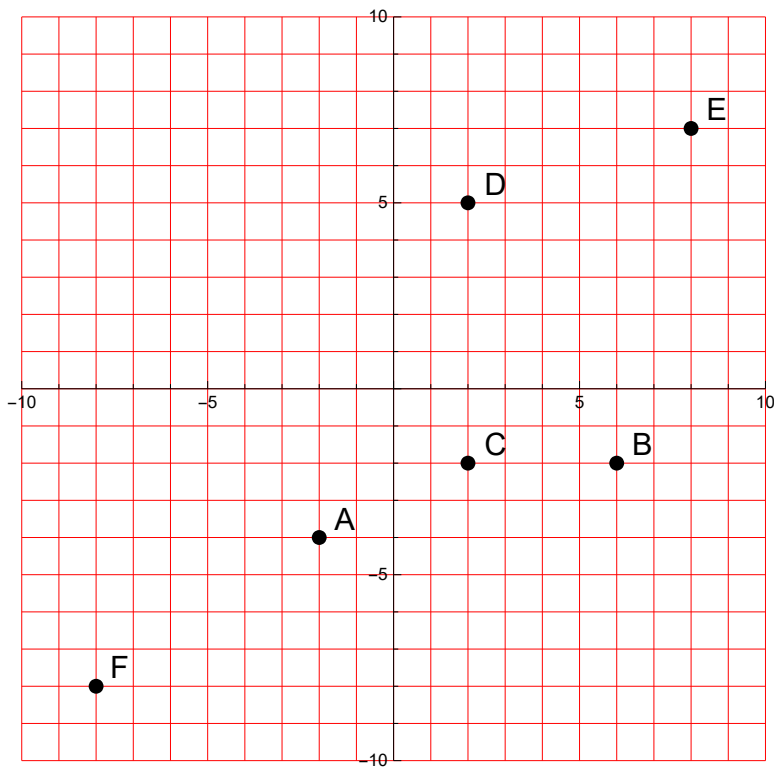
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- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

7.



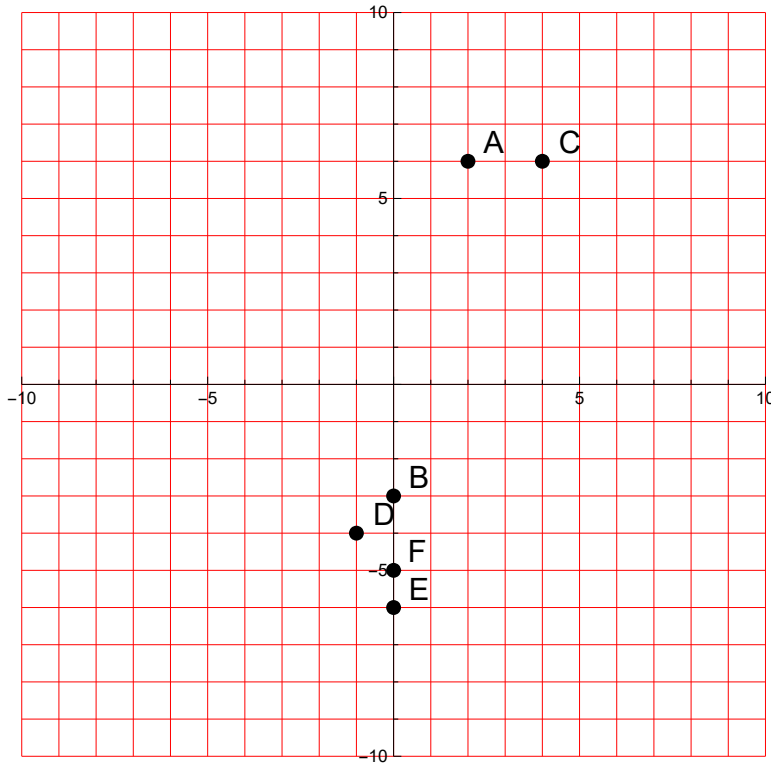
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- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

8.



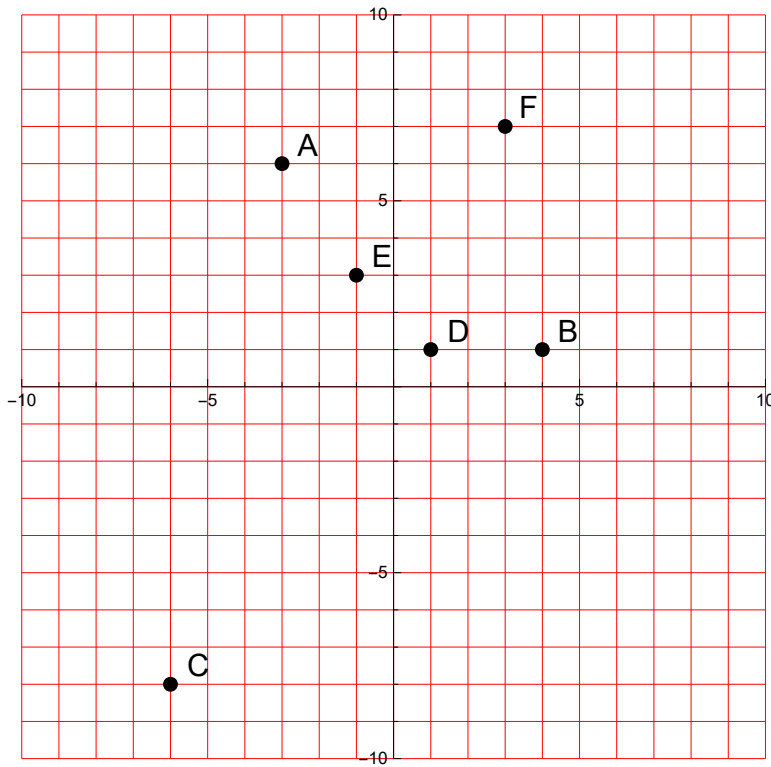
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- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

9.



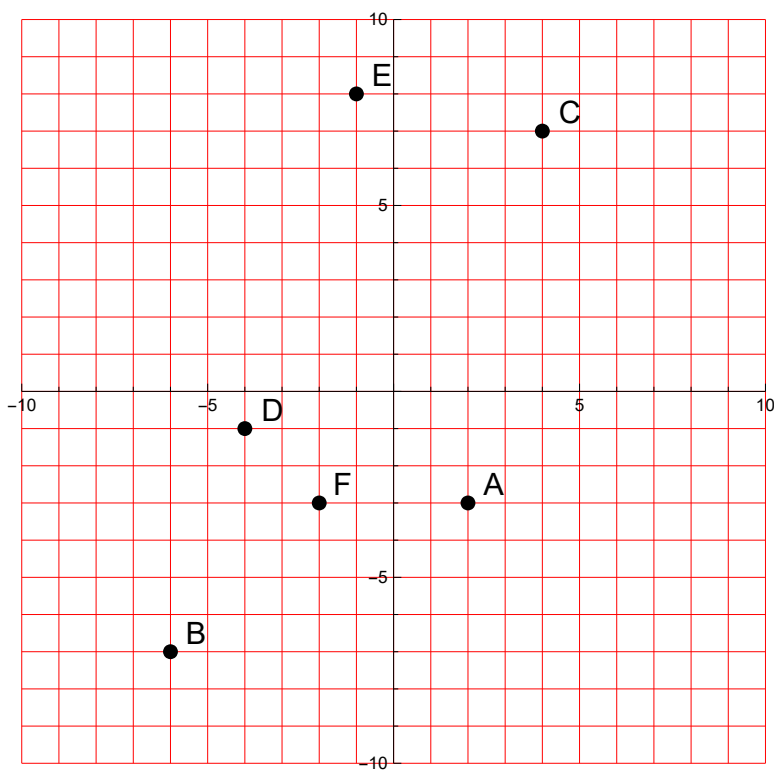
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- |CD| =
- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

10.



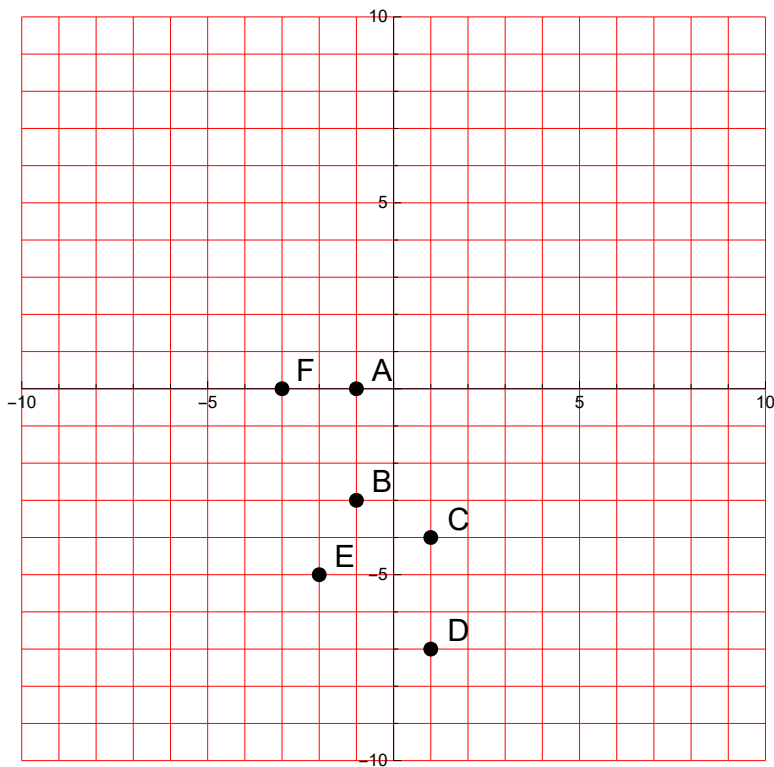
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- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

11.



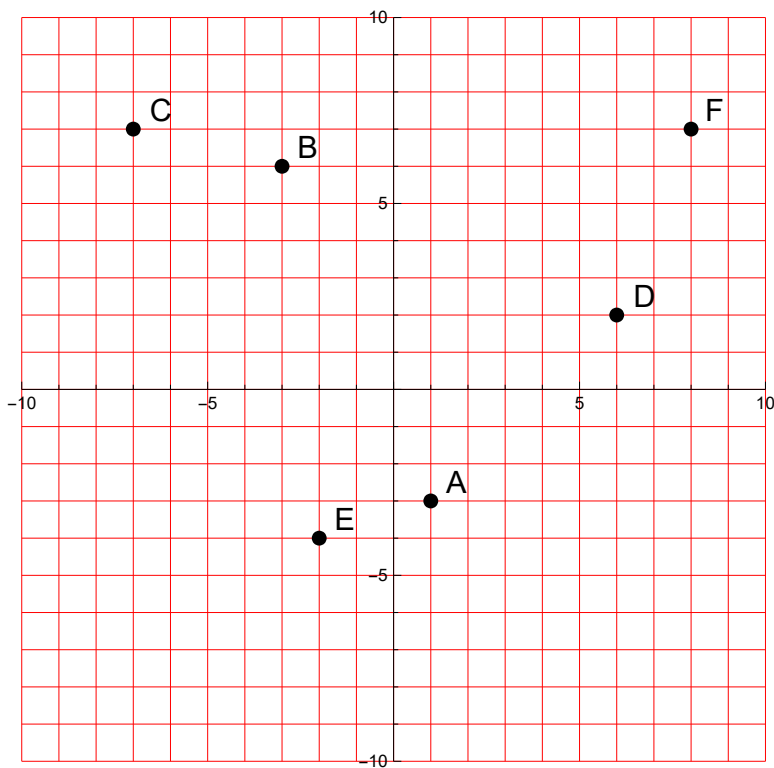
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- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

12.



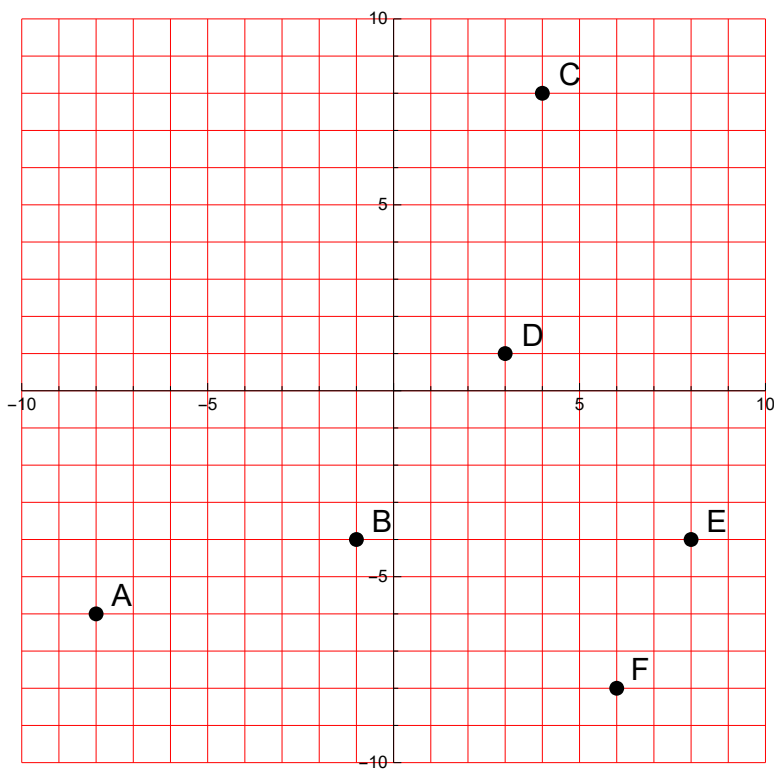
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- |BE| =
- |BF| =
- |CD| =
- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

13.



- |AB| =
- |AC| =
- |AD| =
- |AE| =
- |AF| =
- |BC| =
- |BD| =
- |BE| =
- |BF| =
- |CD| =
- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

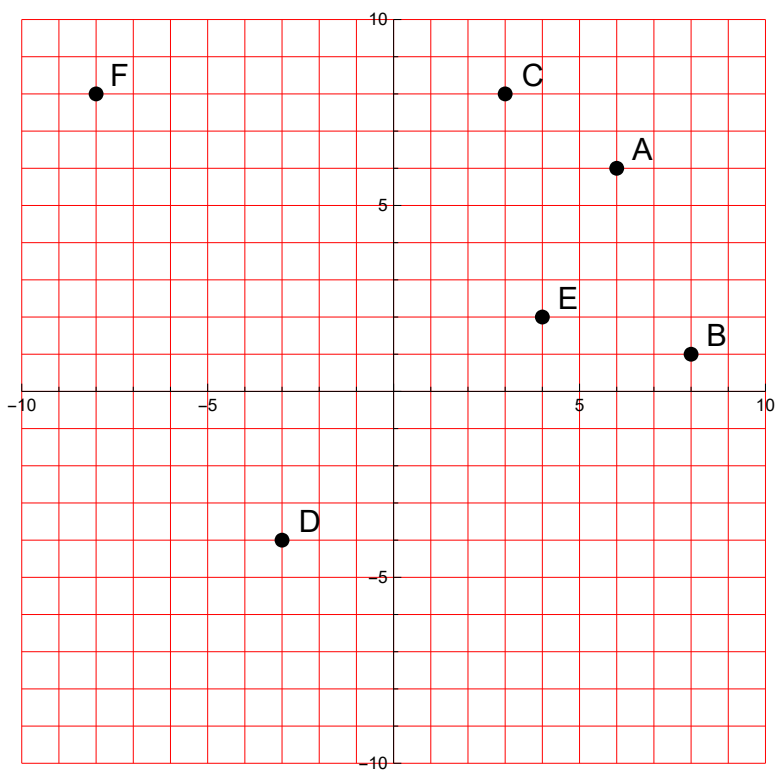
14.



- |AB| =
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- |CD| =
- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

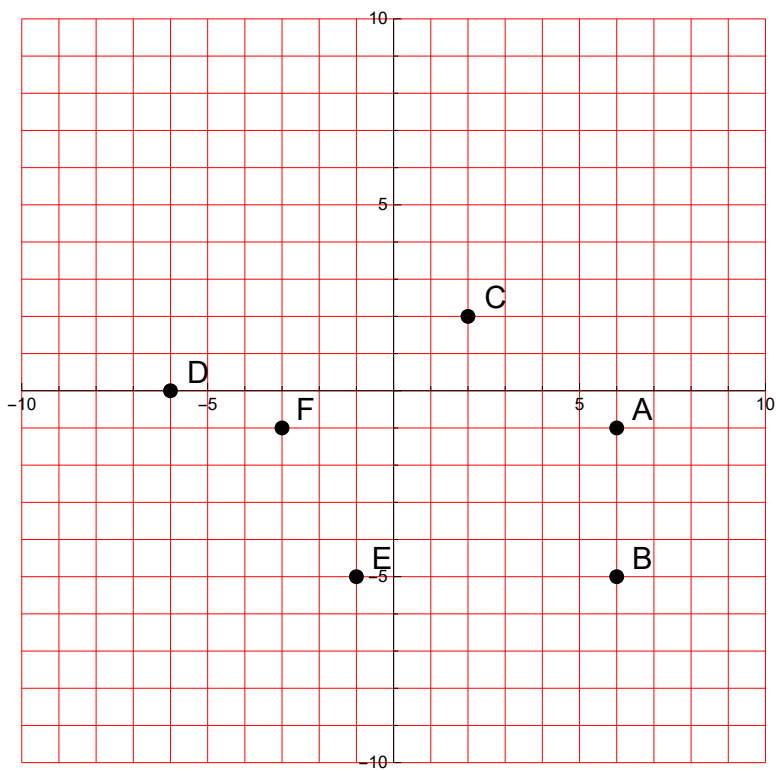


15.



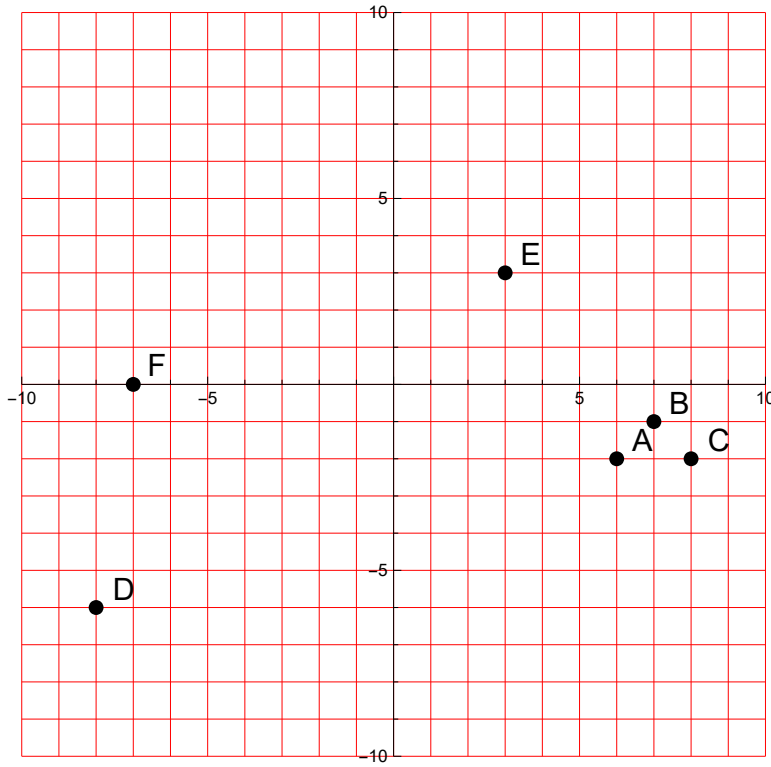
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 $|BF| =$   
 $|CD| =$   
 $|CE| =$   
 $|CF| =$   
 $|DE| =$   
 $|DF| =$   
 $|EF| =$

16.



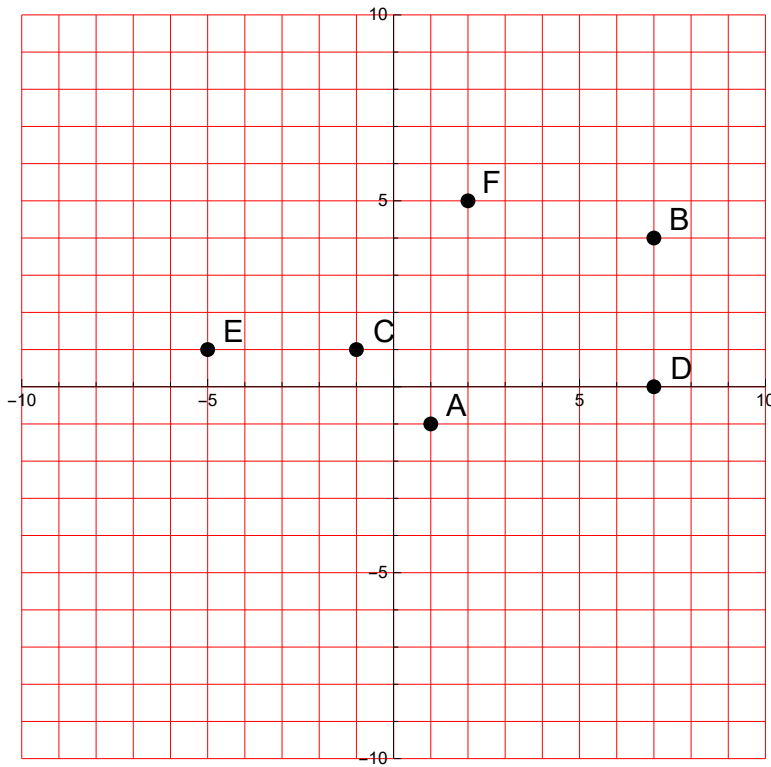
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17.



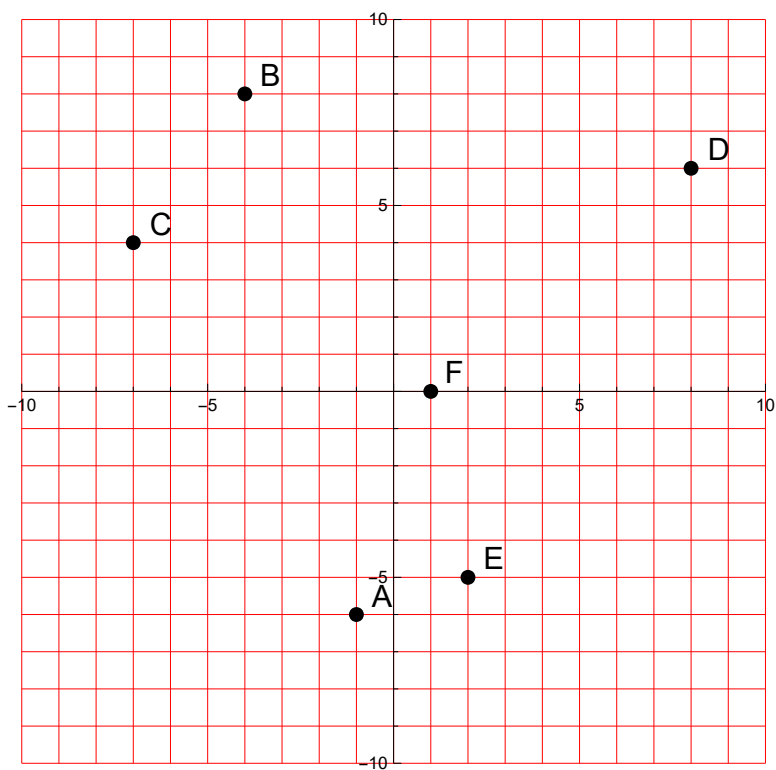
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- |CD| =
- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

18.



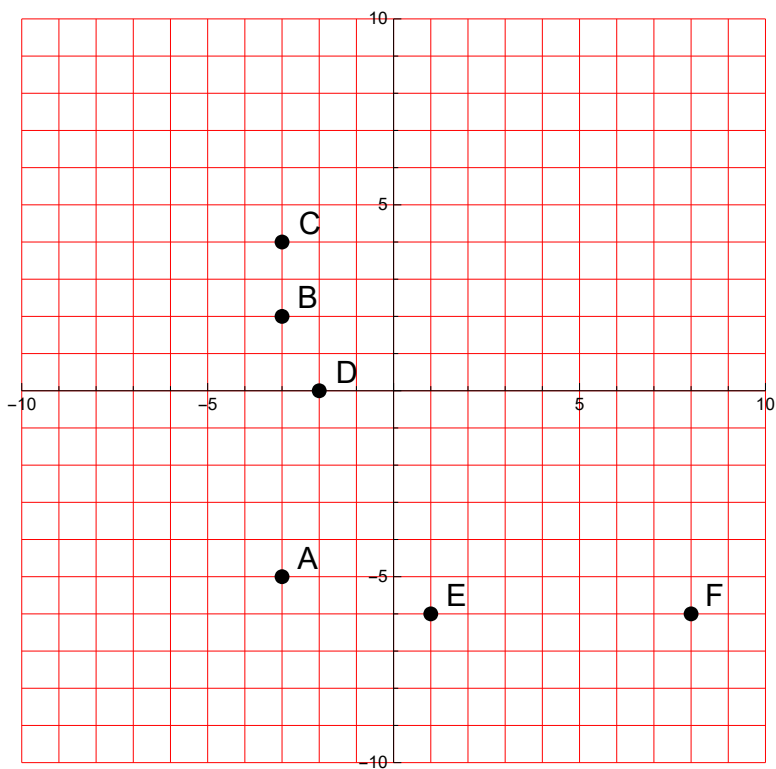
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- |CF| =
- |DE| =
- |DF| =
- |EF| =

19.



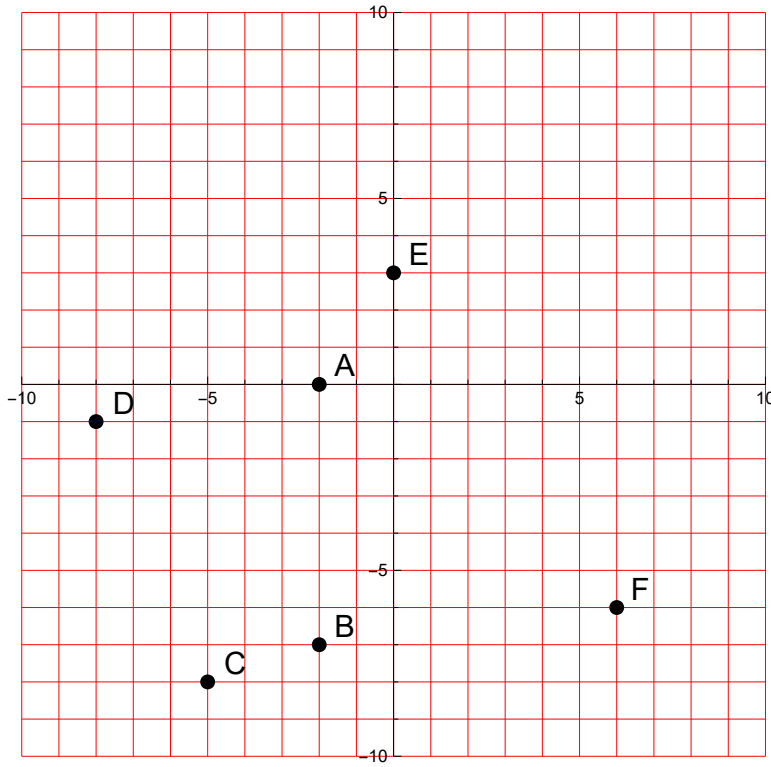
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20.



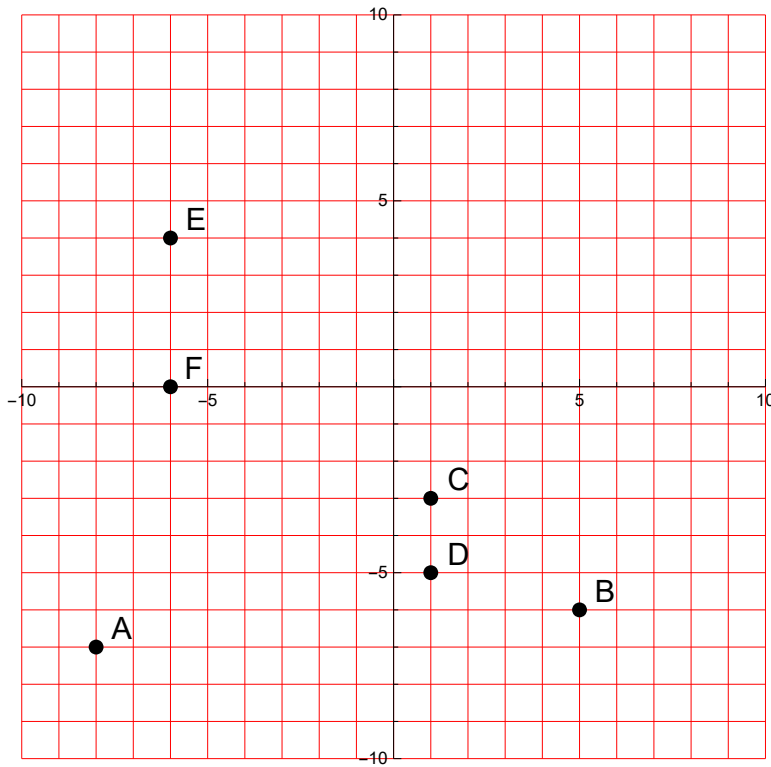
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21.



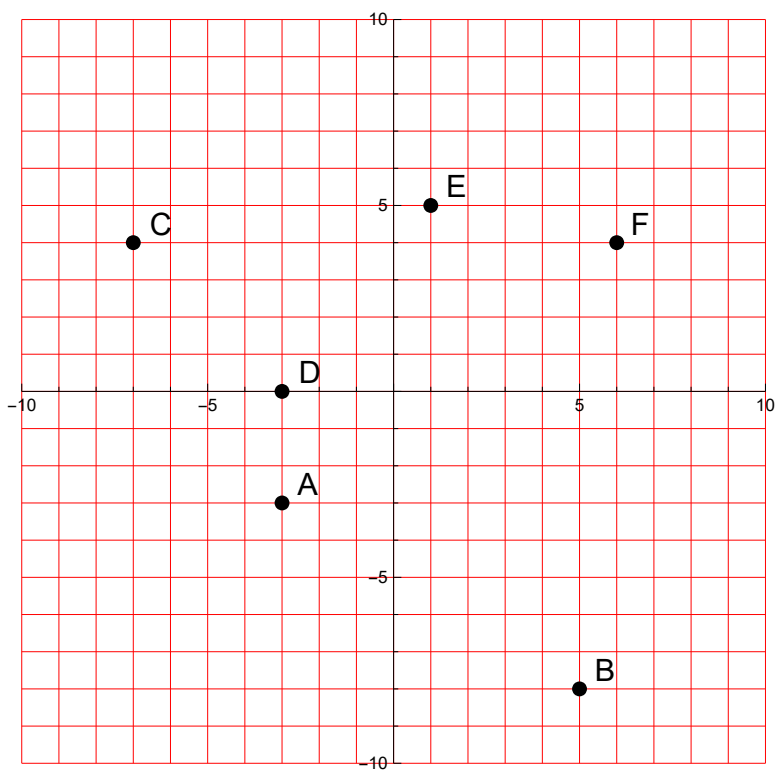
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- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

22.



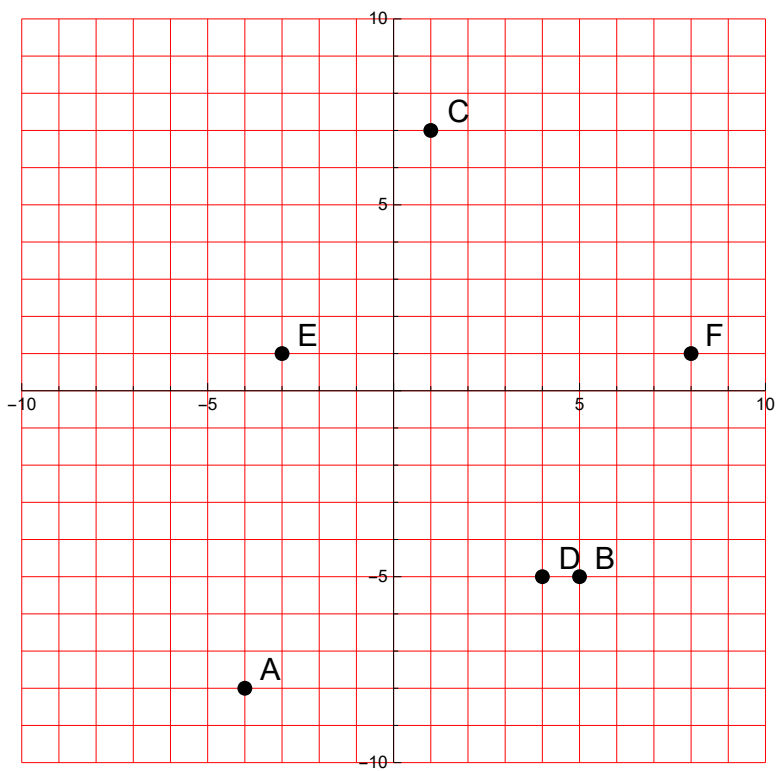
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- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

23.



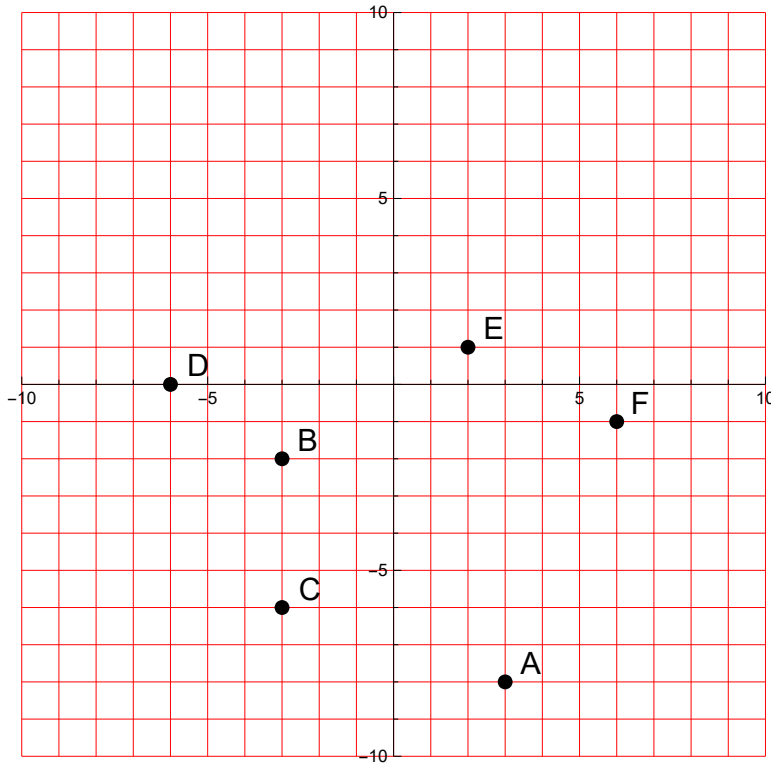
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 $|CE| =$   
 $|CF| =$   
 $|DE| =$   
 $|DF| =$   
 $|EF| =$

24.



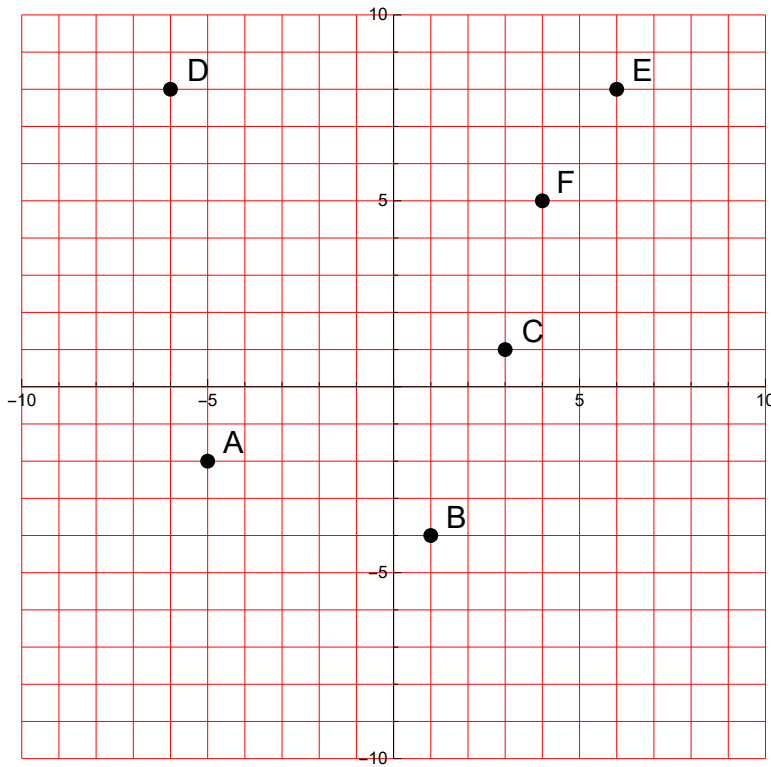
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 $|BF| =$   
 $|CD| =$   
 $|CE| =$   
 $|CF| =$   
 $|DE| =$   
 $|DF| =$   
 $|EF| =$

25.



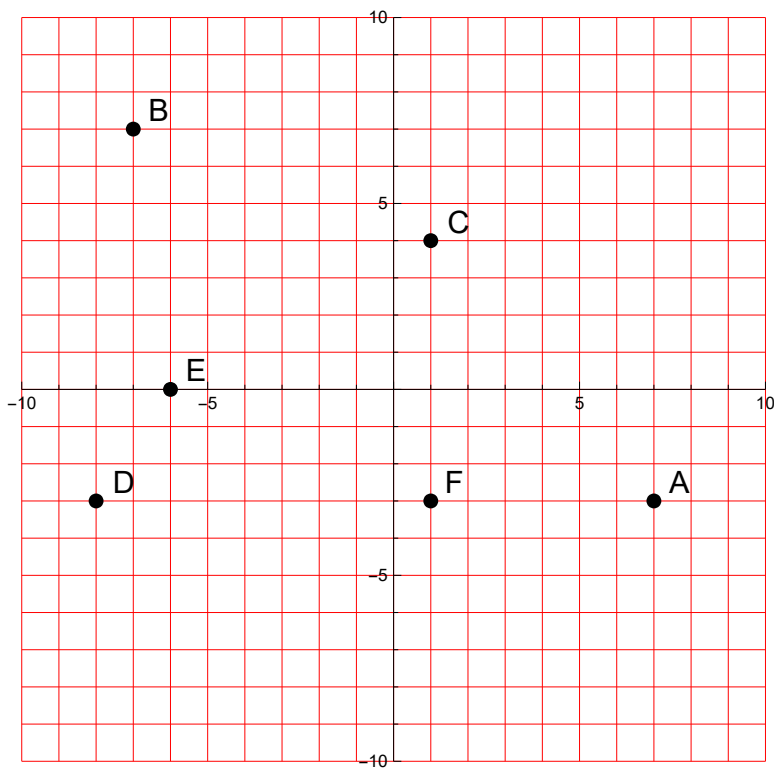
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- |CD| =
- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

26.



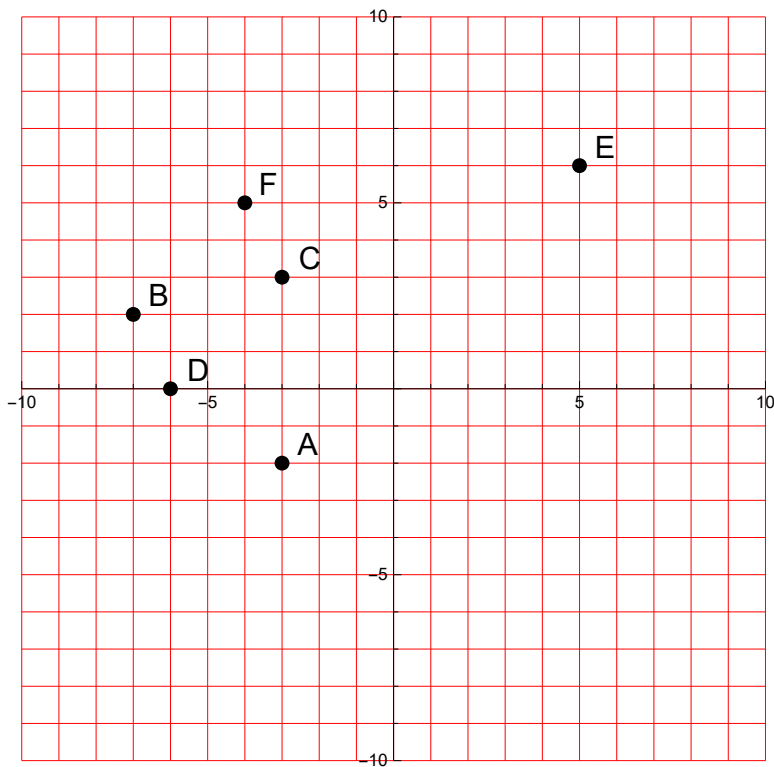
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- |BE| =
- |BF| =
- |CD| =
- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

27.



- | AB | =
- | AC | =
- | AD | =
- | AE | =
- | AF | =
- | BC | =
- | BD | =
- | BE | =
- | BF | =
- | CD | =
- | CE | =
- | CF | =
- | DE | =
- | DF | =
- | EF | =

28.



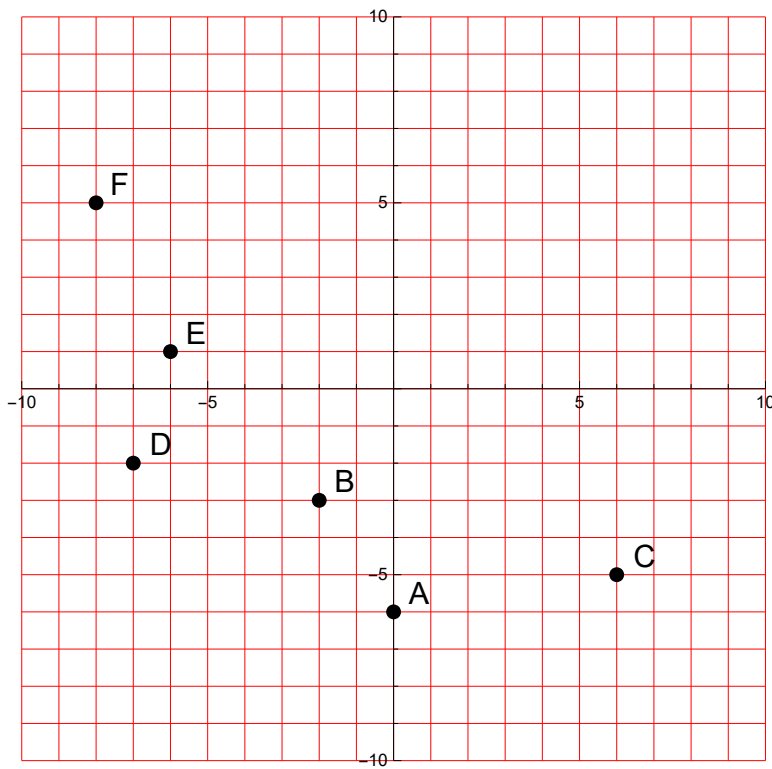
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- | AF | =
- | BC | =
- | BD | =
- | BE | =
- | BF | =
- | CD | =
- | CE | =
- | CF | =
- | DE | =
- | DF | =
- | EF | =

29.



- |AB| =
- |AC| =
- |AD| =
- |AE| =
- |AF| =
- |BC| =
- |BD| =
- |BE| =
- |BF| =
- |CD| =
- |CE| =
- |CF| =
- |DE| =
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- |EF| =

30.

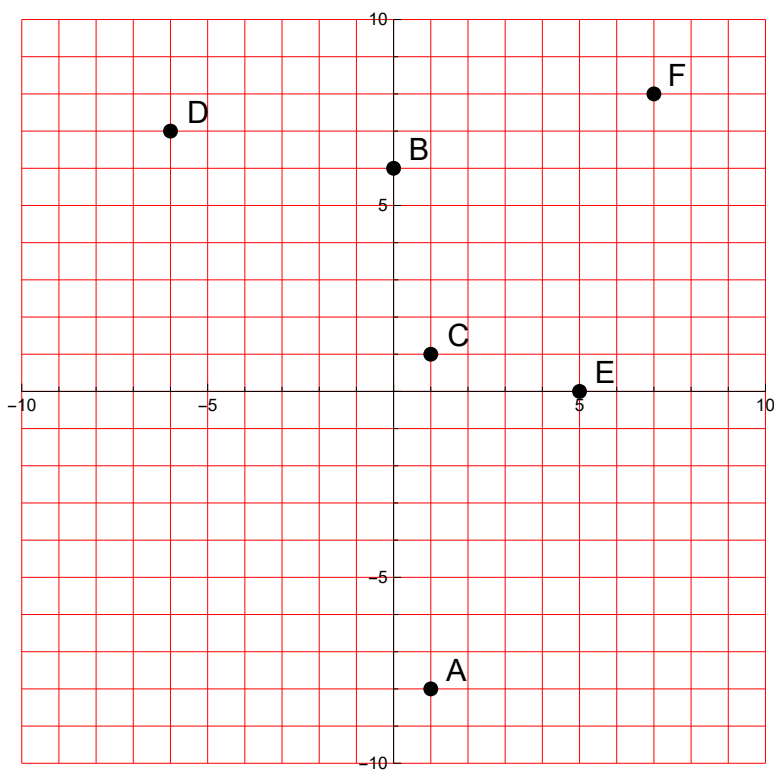


- |AB| =
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- |AE| =
- |AF| =
- |BC| =
- |BD| =
- |BE| =
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- |CD| =
- |CE| =
- |CF| =
- |DE| =
- |DF| =
- |EF| =

Rešitve:

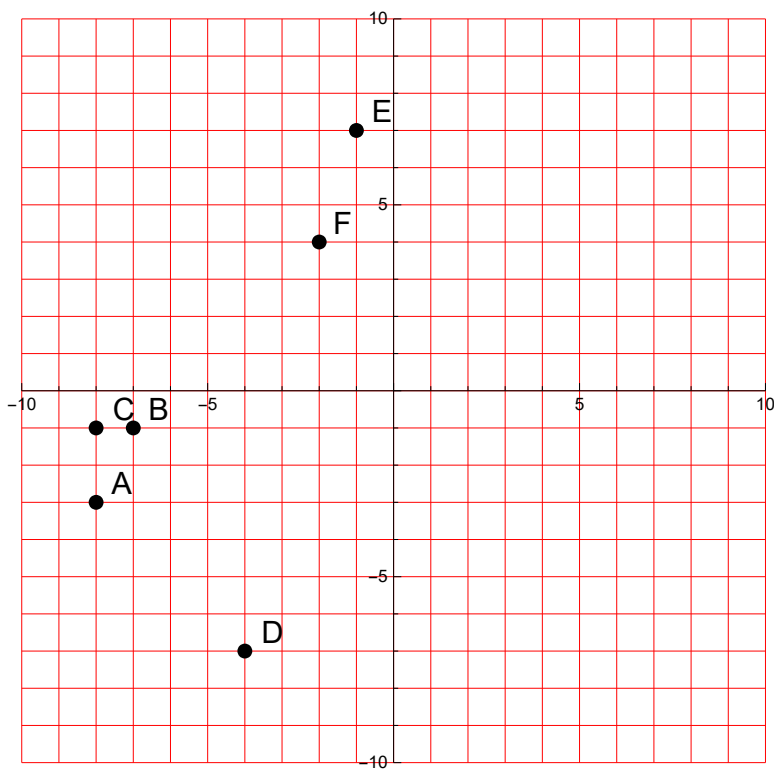


1.



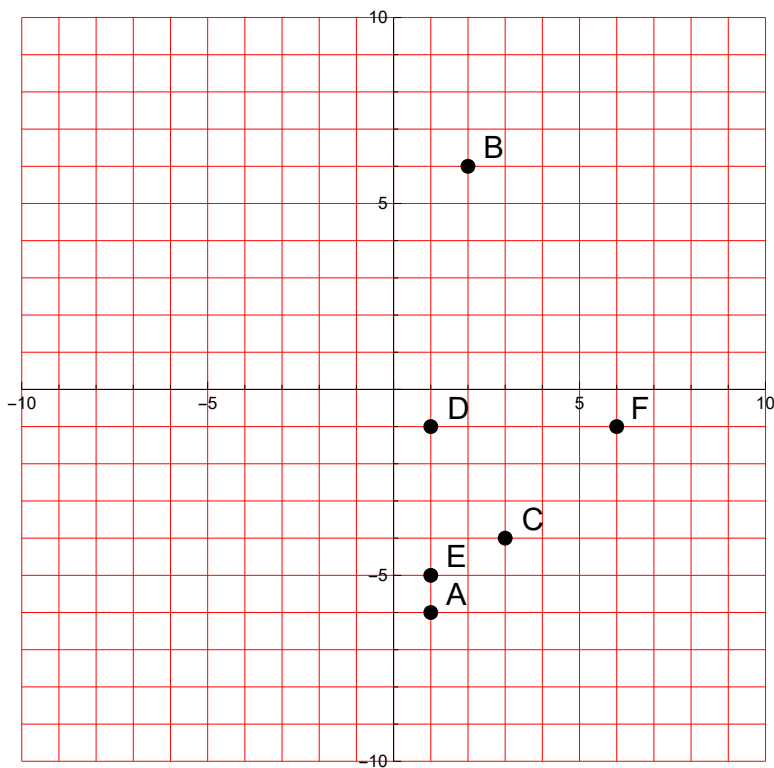
$$\begin{aligned} |AB| &= \sqrt{197} \\ |AC| &= 9 \\ |AD| &= \sqrt{274} \\ |AE| &= 4\sqrt{5} \\ |AF| &= 2\sqrt{73} \\ |BC| &= \sqrt{26} \\ |BD| &= \sqrt{37} \\ |BE| &= \sqrt{61} \\ |BF| &= \sqrt{53} \\ |CD| &= \sqrt{85} \\ |CE| &= \sqrt{17} \\ |CF| &= \sqrt{85} \\ |DE| &= \sqrt{170} \\ |DF| &= \sqrt{170} \\ |EF| &= 2\sqrt{17} \end{aligned}$$

2.



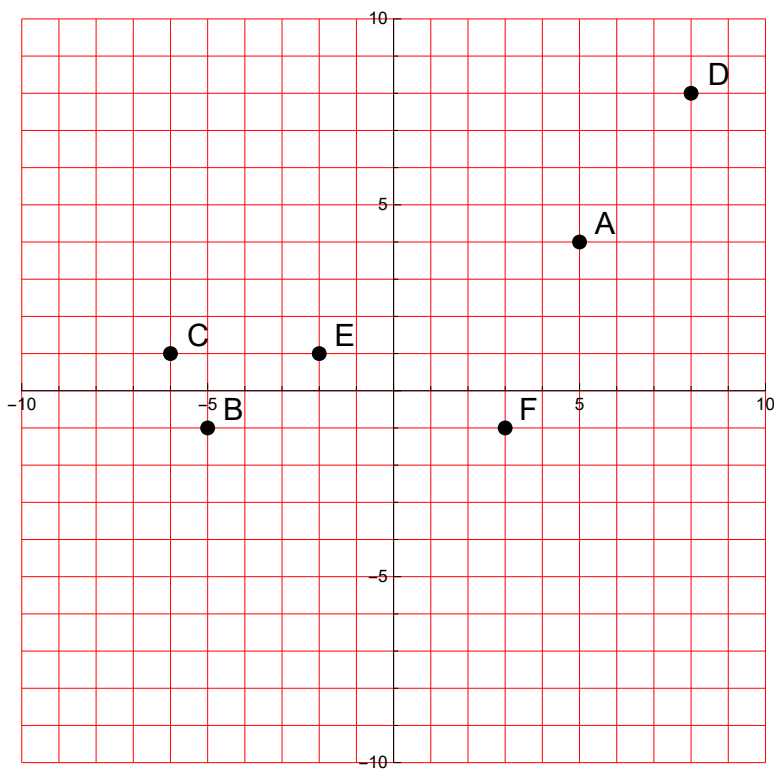
$$\begin{aligned} |AB| &= \sqrt{5} \\ |AC| &= 2 \\ |AD| &= 4\sqrt{2} \\ |AE| &= \sqrt{149} \\ |AF| &= \sqrt{85} \\ |BC| &= 1 \\ |BD| &= 3\sqrt{5} \\ |BE| &= 10 \\ |BF| &= 5\sqrt{2} \\ |CD| &= 2\sqrt{13} \\ |CE| &= \sqrt{113} \\ |CF| &= \sqrt{61} \\ |DE| &= \sqrt{205} \\ |DF| &= 5\sqrt{5} \\ |EF| &= \sqrt{10} \end{aligned}$$

3.



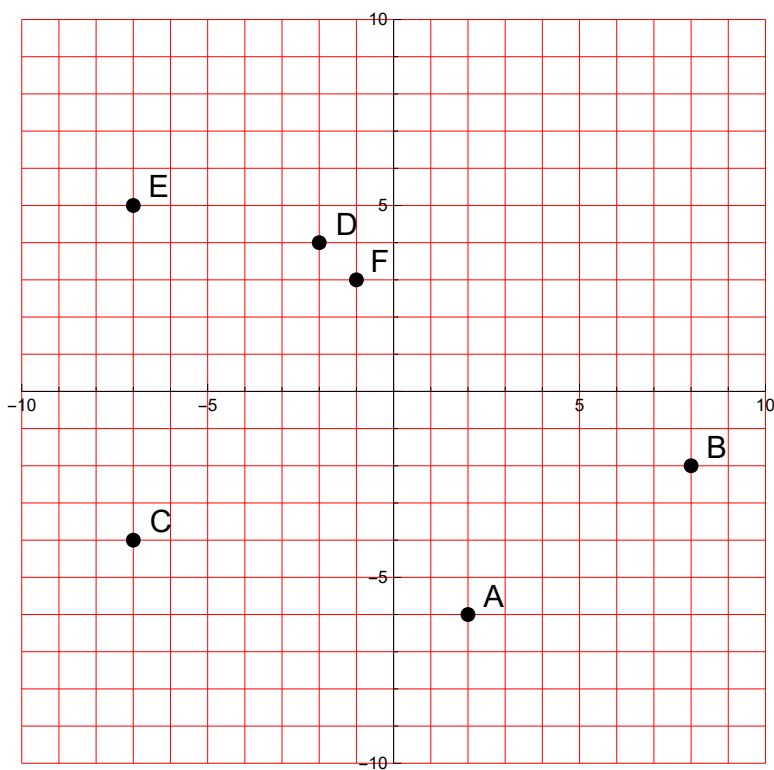
- $|AB| = \sqrt{145}$
- $|AC| = 2\sqrt{2}$
- $|AD| = 5$
- $|AE| = 1$
- $|AF| = 5\sqrt{2}$
- $|BC| = \sqrt{101}$
- $|BD| = 5\sqrt{2}$
- $|BE| = \sqrt{122}$
- $|BF| = \sqrt{65}$
- $|CD| = \sqrt{13}$
- $|CE| = \sqrt{5}$
- $|CF| = 3\sqrt{2}$
- $|DE| = 4$
- $|DF| = 5$
- $|EF| = \sqrt{41}$

4.



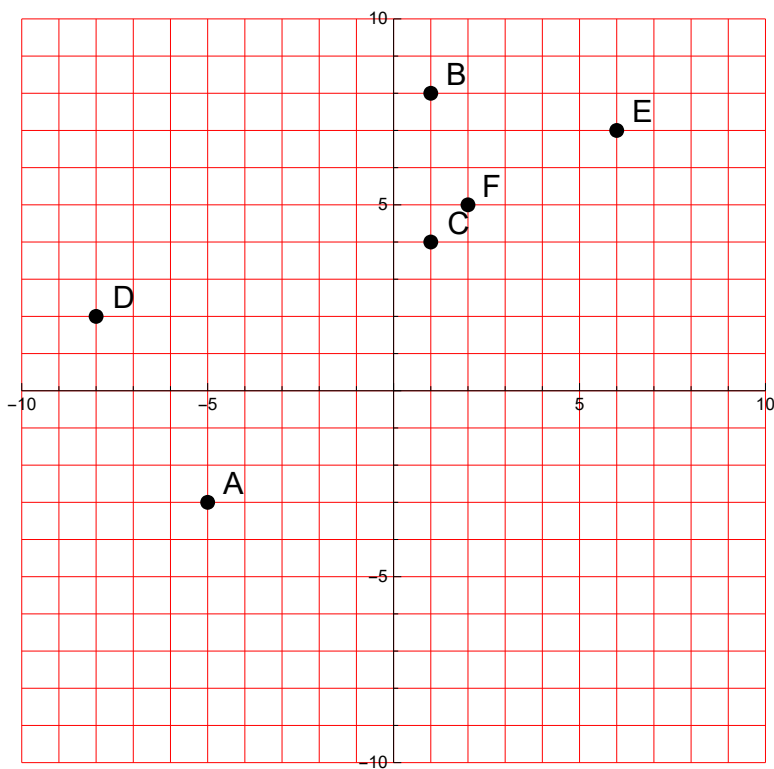
- $|AB| = 5\sqrt{5}$
- $|AC| = \sqrt{130}$
- $|AD| = 5$
- $|AE| = \sqrt{58}$
- $|AF| = \sqrt{29}$
- $|BC| = \sqrt{5}$
- $|BD| = 5\sqrt{10}$
- $|BE| = \sqrt{13}$
- $|BF| = 8$
- $|CD| = 7\sqrt{5}$
- $|CE| = 4$
- $|CF| = \sqrt{85}$
- $|DE| = \sqrt{149}$
- $|DF| = \sqrt{106}$
- $|EF| = \sqrt{29}$

5.



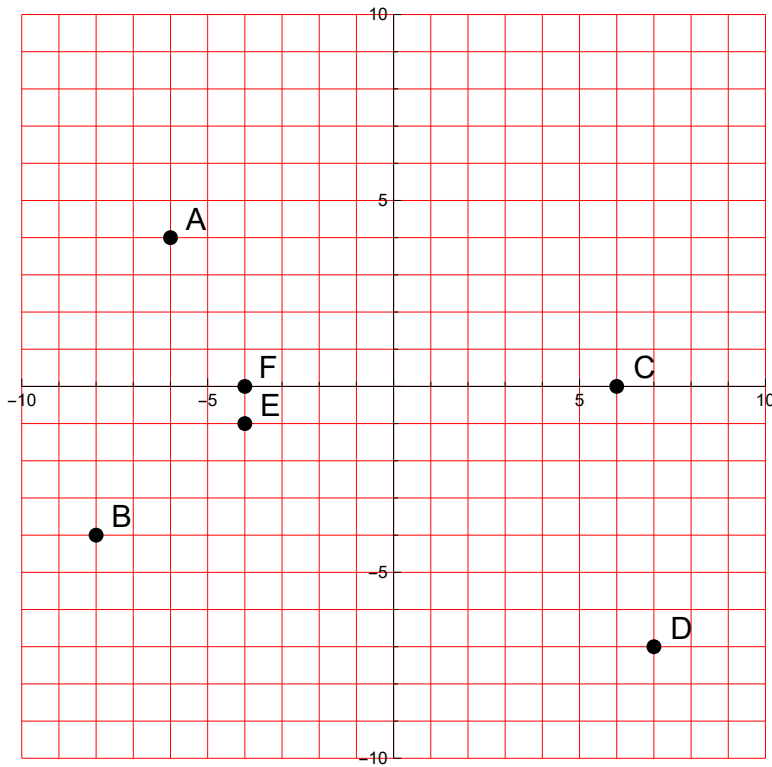
$$\begin{aligned} |AB| &= 2\sqrt{13} \\ |AC| &= \sqrt{85} \\ |AD| &= 2\sqrt{29} \\ |AE| &= \sqrt{202} \\ |AF| &= 3\sqrt{10} \\ |BC| &= \sqrt{229} \\ |BD| &= 2\sqrt{34} \\ |BE| &= \sqrt{274} \\ |BF| &= \sqrt{106} \\ |CD| &= \sqrt{89} \\ |CE| &= 9 \\ |CF| &= \sqrt{85} \\ |DE| &= \sqrt{26} \\ |DF| &= \sqrt{2} \\ |EF| &= 2\sqrt{10} \end{aligned}$$

6.



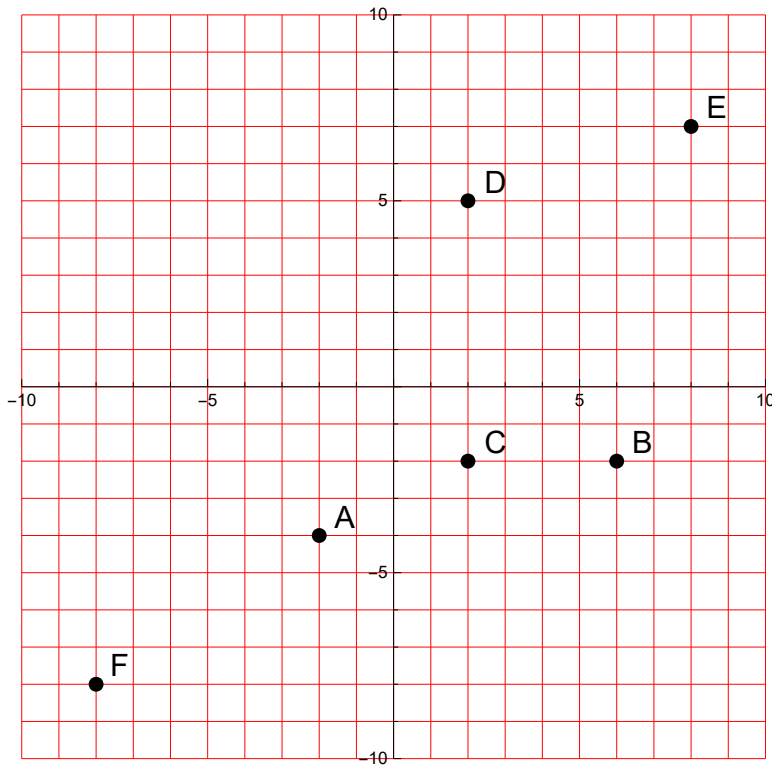
$$\begin{aligned} |AB| &= \sqrt{157} \\ |AC| &= \sqrt{85} \\ |AD| &= \sqrt{34} \\ |AE| &= \sqrt{221} \\ |AF| &= \sqrt{113} \\ |BC| &= 4 \\ |BD| &= 3\sqrt{13} \\ |BE| &= \sqrt{26} \\ |BF| &= \sqrt{10} \\ |CD| &= \sqrt{85} \\ |CE| &= \sqrt{34} \\ |CF| &= \sqrt{2} \\ |DE| &= \sqrt{221} \\ |DF| &= \sqrt{109} \\ |EF| &= 2\sqrt{5} \end{aligned}$$

7.



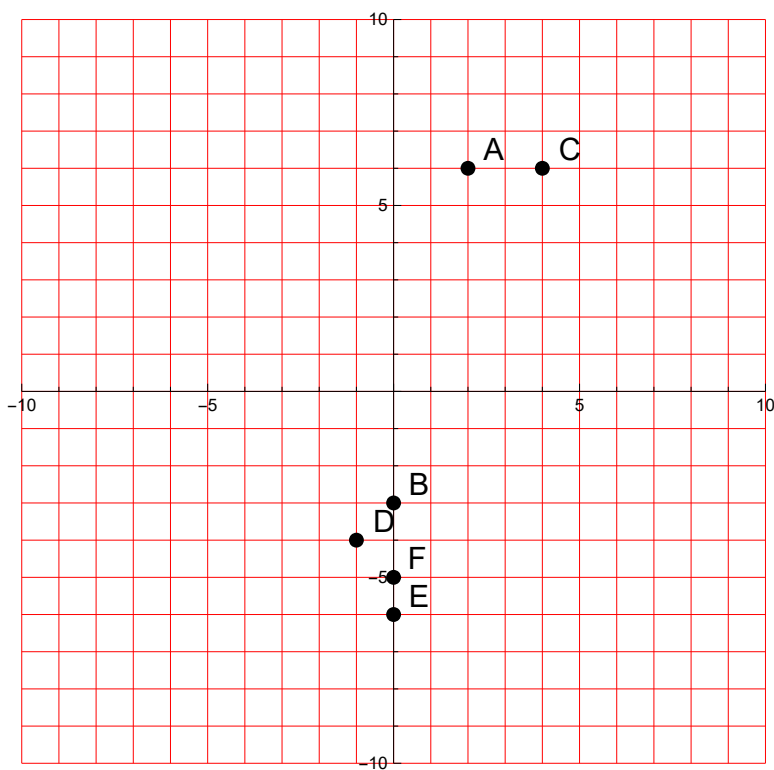
- $|AB| = 2\sqrt{17}$
- $|AC| = 4\sqrt{10}$
- $|AD| = \sqrt{290}$
- $|AE| = \sqrt{29}$
- $|AF| = 2\sqrt{5}$
- $|BC| = 2\sqrt{53}$
- $|BD| = 3\sqrt{26}$
- $|BE| = 5$
- $|BF| = 4\sqrt{2}$
- $|CD| = 5\sqrt{2}$
- $|CE| = \sqrt{101}$
- $|CF| = 10$
- $|DE| = \sqrt{157}$
- $|DF| = \sqrt{170}$
- $|EF| = 1$

8.



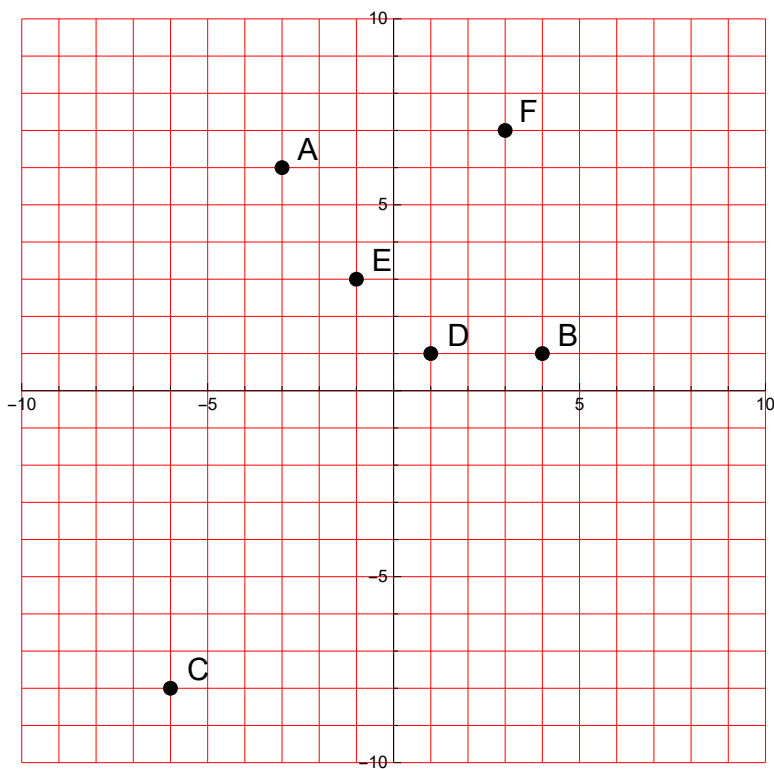
- $|AB| = 2\sqrt{17}$
- $|AC| = 2\sqrt{5}$
- $|AD| = \sqrt{97}$
- $|AE| = \sqrt{221}$
- $|AF| = 2\sqrt{13}$
- $|BC| = 4$
- $|BD| = \sqrt{65}$
- $|BE| = \sqrt{85}$
- $|BF| = 2\sqrt{58}$
- $|CD| = 7$
- $|CE| = 3\sqrt{13}$
- $|CF| = 2\sqrt{34}$
- $|DE| = 2\sqrt{10}$
- $|DF| = \sqrt{269}$
- $|EF| = \sqrt{481}$

9.



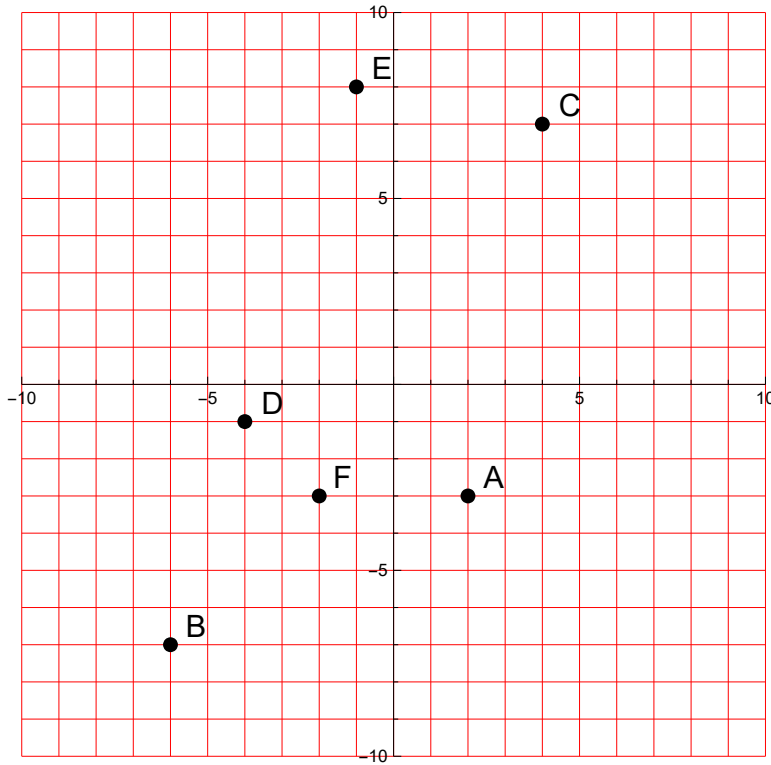
$$\begin{aligned} |AB| &= \sqrt{85} \\ |AC| &= 2 \\ |AD| &= \sqrt{109} \\ |AE| &= 2\sqrt{37} \\ |AF| &= 5\sqrt{5} \\ |BC| &= \sqrt{97} \\ |BD| &= \sqrt{2} \\ |BE| &= 3 \\ |BF| &= 2 \\ |CD| &= 5\sqrt{5} \\ |CE| &= 4\sqrt{10} \\ |CF| &= \sqrt{137} \\ |DE| &= \sqrt{5} \\ |DF| &= \sqrt{2} \\ |EF| &= 1 \end{aligned}$$

10.



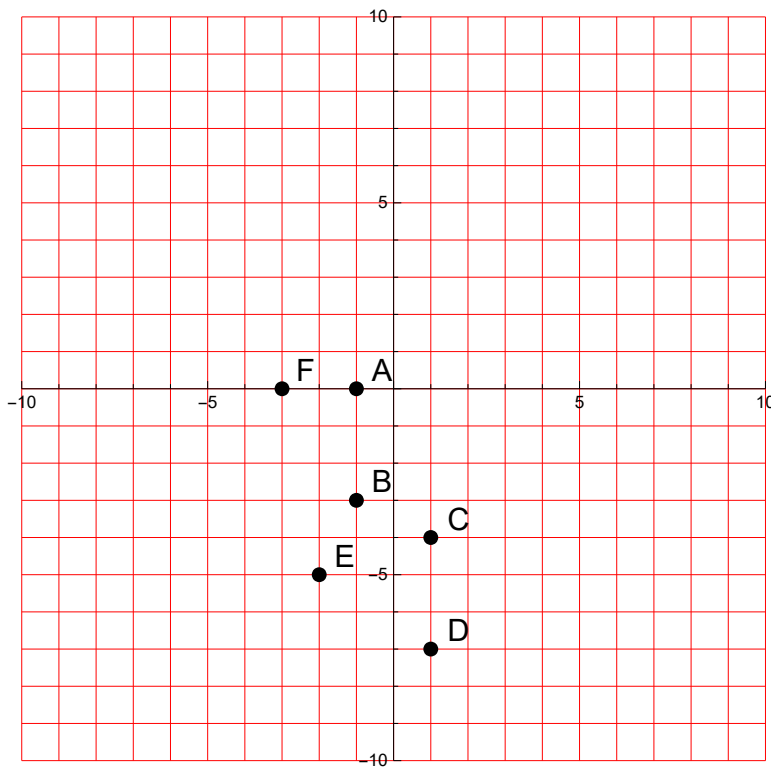
$$\begin{aligned} |AB| &= \sqrt{74} \\ |AC| &= \sqrt{205} \\ |AD| &= \sqrt{41} \\ |AE| &= \sqrt{13} \\ |AF| &= \sqrt{37} \\ |BC| &= \sqrt{181} \\ |BD| &= 3 \\ |BE| &= \sqrt{29} \\ |BF| &= \sqrt{37} \\ |CD| &= \sqrt{130} \\ |CE| &= \sqrt{146} \\ |CF| &= 3\sqrt{34} \\ |DE| &= 2\sqrt{2} \\ |DF| &= 2\sqrt{10} \\ |EF| &= 4\sqrt{2} \end{aligned}$$

11.



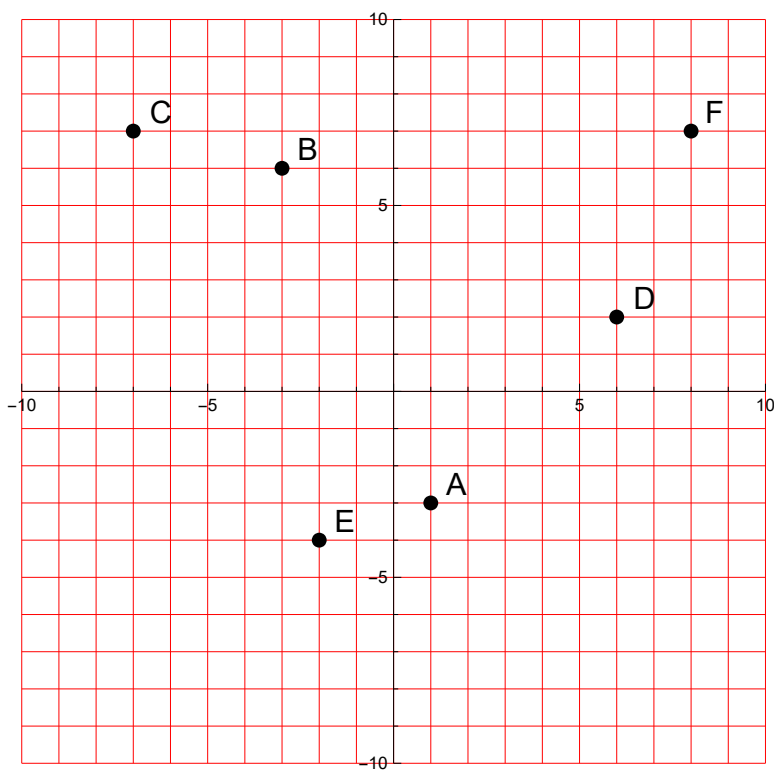
- $|AB| = 4\sqrt{5}$
- $|AC| = 2\sqrt{26}$
- $|AD| = 2\sqrt{10}$
- $|AE| = \sqrt{130}$
- $|AF| = 4$
- $|BC| = 2\sqrt{74}$
- $|BD| = 2\sqrt{10}$
- $|BE| = 5\sqrt{10}$
- $|BF| = 4\sqrt{2}$
- $|CD| = 8\sqrt{2}$
- $|CE| = \sqrt{26}$
- $|CF| = 2\sqrt{34}$
- $|DE| = 3\sqrt{10}$
- $|DF| = 2\sqrt{2}$
- $|EF| = \sqrt{122}$

12.



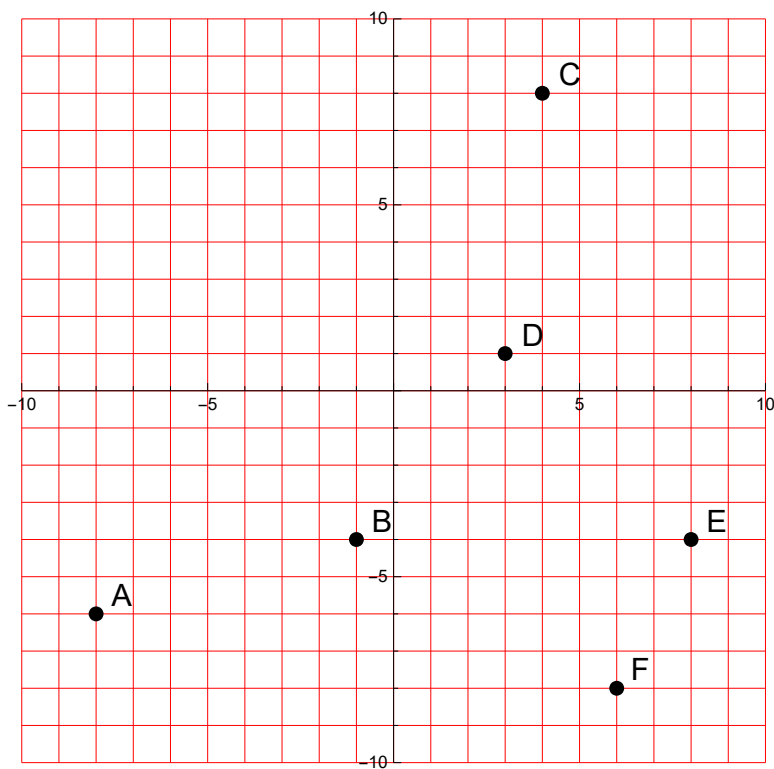
- $|AB| = 3$
- $|AC| = 2\sqrt{5}$
- $|AD| = \sqrt{53}$
- $|AE| = \sqrt{26}$
- $|AF| = 2$
- $|BC| = \sqrt{5}$
- $|BD| = 2\sqrt{5}$
- $|BE| = \sqrt{5}$
- $|BF| = \sqrt{13}$
- $|CD| = 3$
- $|CE| = \sqrt{10}$
- $|CF| = 4\sqrt{2}$
- $|DE| = \sqrt{13}$
- $|DF| = \sqrt{65}$
- $|EF| = \sqrt{26}$

13.



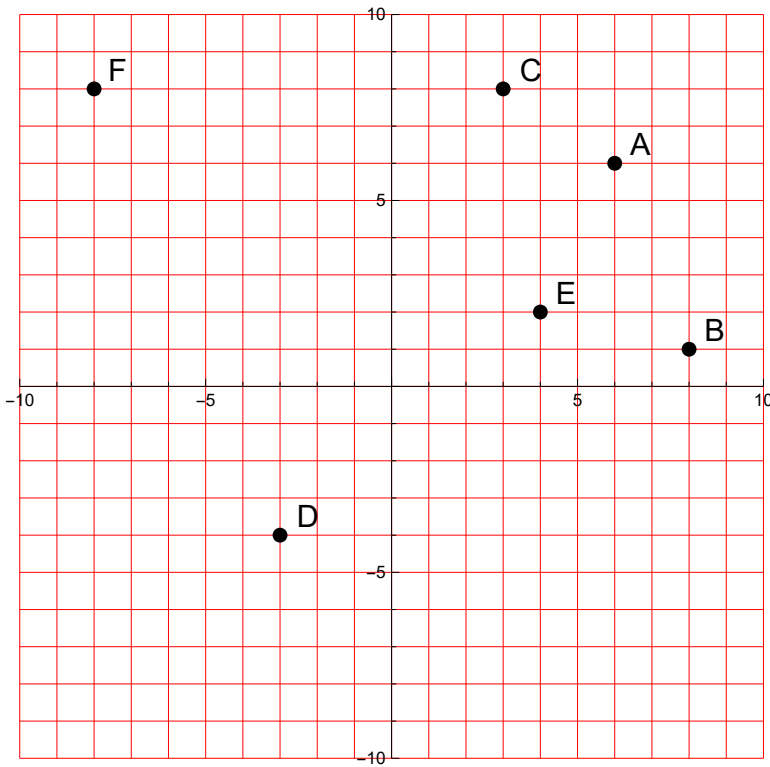
$$\begin{aligned} |AB| &= \sqrt{97} \\ |AC| &= 2\sqrt{41} \\ |AD| &= 5\sqrt{2} \\ |AE| &= \sqrt{10} \\ |AF| &= \sqrt{149} \\ |BC| &= \sqrt{17} \\ |BD| &= \sqrt{97} \\ |BE| &= \sqrt{101} \\ |BF| &= \sqrt{122} \\ |CD| &= \sqrt{194} \\ |CE| &= \sqrt{146} \\ |CF| &= 15 \\ |DE| &= 10 \\ |DF| &= \sqrt{29} \\ |EF| &= \sqrt{221} \end{aligned}$$

14.



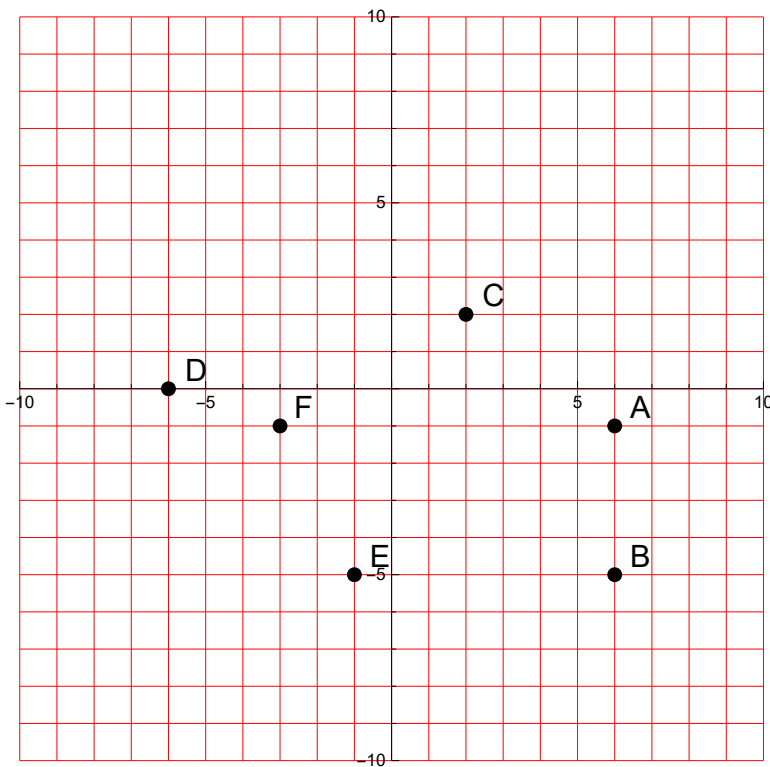
$$\begin{aligned} |AB| &= \sqrt{53} \\ |AC| &= 2\sqrt{85} \\ |AD| &= \sqrt{170} \\ |AE| &= 2\sqrt{65} \\ |AF| &= 10\sqrt{2} \\ |BC| &= 13 \\ |BD| &= \sqrt{41} \\ |BE| &= 9 \\ |BF| &= \sqrt{65} \\ |CD| &= 5\sqrt{2} \\ |CE| &= 4\sqrt{10} \\ |CF| &= 2\sqrt{65} \\ |DE| &= 5\sqrt{2} \\ |DF| &= 3\sqrt{10} \\ |EF| &= 2\sqrt{5} \end{aligned}$$

15.



- $|AB| = \sqrt{29}$
- $|AC| = \sqrt{13}$
- $|AD| = \sqrt{181}$
- $|AE| = 2\sqrt{5}$
- $|AF| = 10\sqrt{2}$
- $|BC| = \sqrt{74}$
- $|BD| = \sqrt{146}$
- $|BE| = \sqrt{17}$
- $|BF| = \sqrt{305}$
- $|CD| = 6\sqrt{5}$
- $|CE| = \sqrt{37}$
- $|CF| = 11$
- $|DE| = \sqrt{85}$
- $|DF| = 13$
- $|EF| = 6\sqrt{5}$

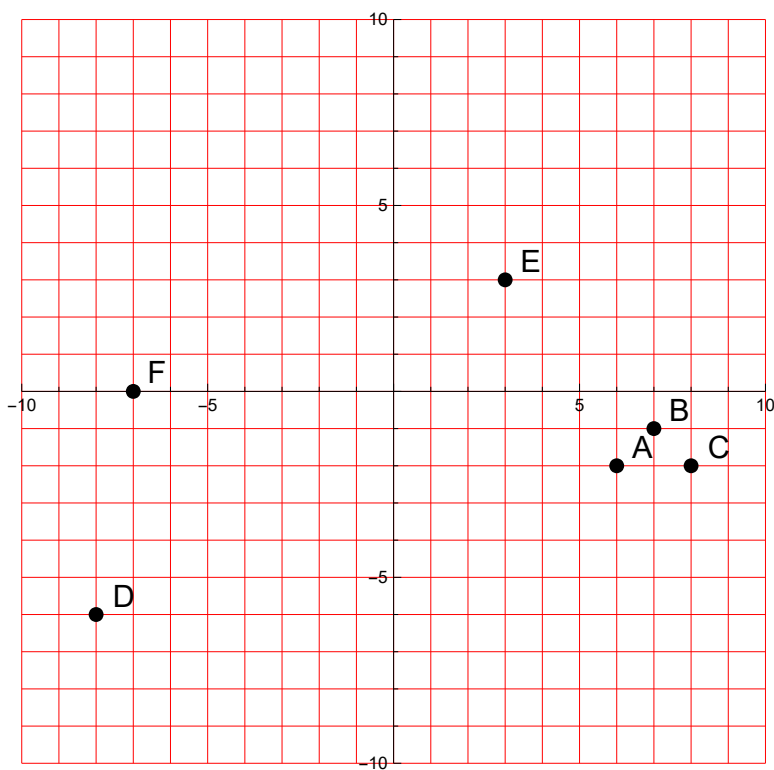
16.



- $|AB| = 4$
- $|AC| = 5$
- $|AD| = \sqrt{145}$
- $|AE| = \sqrt{65}$
- $|AF| = 9$
- $|BC| = \sqrt{65}$
- $|BD| = 13$
- $|BE| = 7$
- $|BF| = \sqrt{97}$
- $|CD| = 2\sqrt{17}$
- $|CE| = \sqrt{58}$
- $|CF| = \sqrt{34}$
- $|DE| = 5\sqrt{2}$
- $|DF| = \sqrt{10}$
- $|EF| = 2\sqrt{5}$

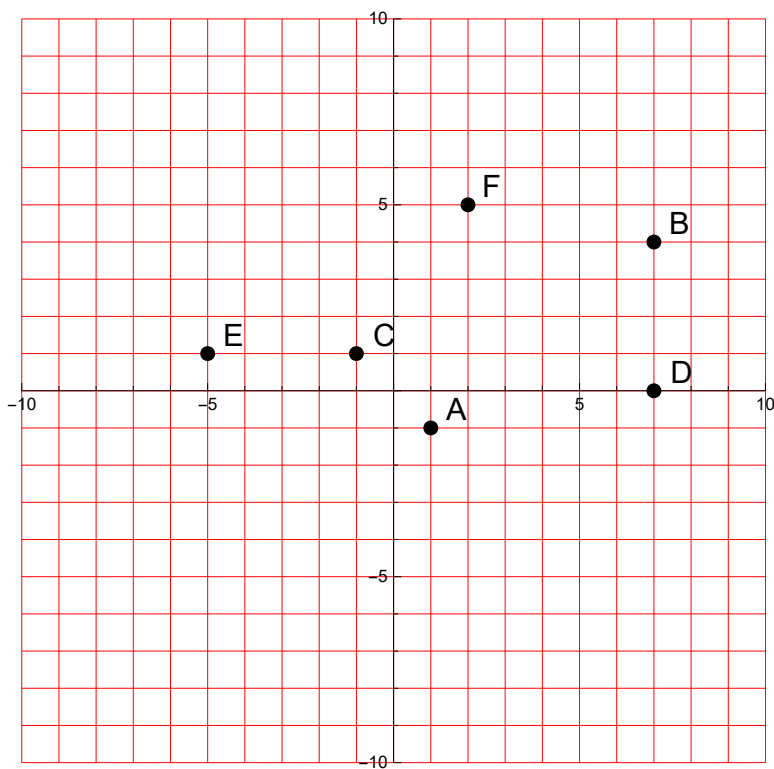


17.



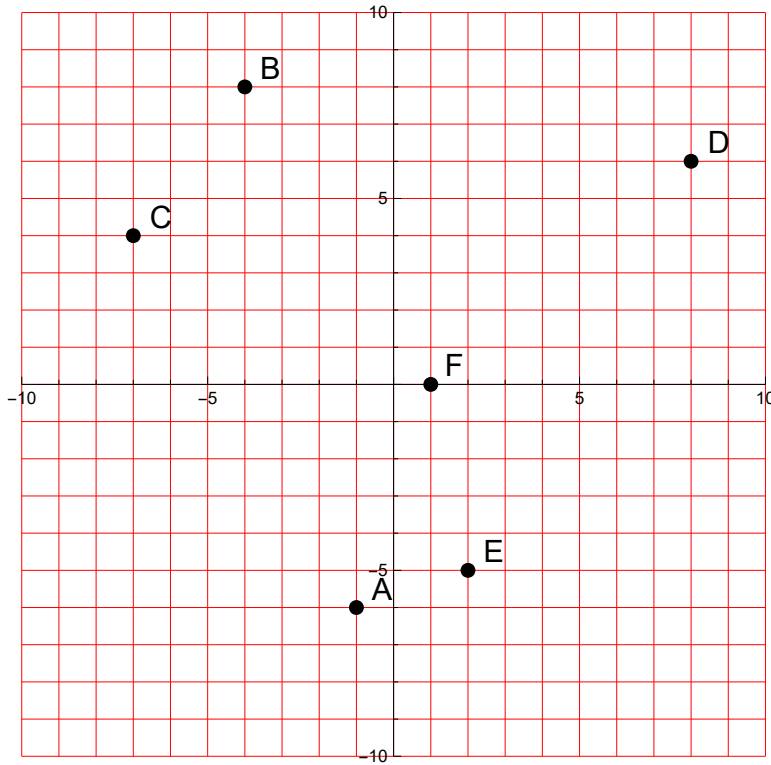
$$\begin{aligned} |AB| &= \sqrt{2} \\ |AC| &= 2 \\ |AD| &= 2\sqrt{53} \\ |AE| &= \sqrt{34} \\ |AF| &= \sqrt{173} \\ |BC| &= \sqrt{2} \\ |BD| &= 5\sqrt{10} \\ |BE| &= 4\sqrt{2} \\ |BF| &= \sqrt{197} \\ |CD| &= 4\sqrt{17} \\ |CE| &= 5\sqrt{2} \\ |CF| &= \sqrt{229} \\ |DE| &= \sqrt{202} \\ |DF| &= \sqrt{37} \\ |EF| &= \sqrt{109} \end{aligned}$$

18.



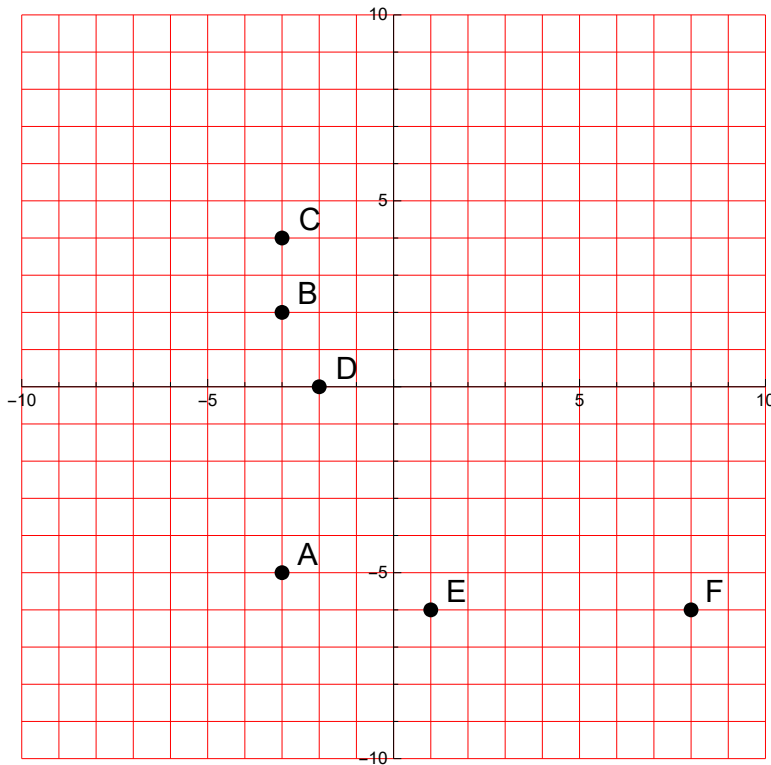
$$\begin{aligned} |AB| &= \sqrt{61} \\ |AC| &= 2\sqrt{2} \\ |AD| &= \sqrt{37} \\ |AE| &= 2\sqrt{10} \\ |AF| &= \sqrt{37} \\ |BC| &= \sqrt{73} \\ |BD| &= 4 \\ |BE| &= 3\sqrt{17} \\ |BF| &= \sqrt{26} \\ |CD| &= \sqrt{65} \\ |CE| &= 4 \\ |CF| &= 5 \\ |DE| &= \sqrt{145} \\ |DF| &= 5\sqrt{2} \\ |EF| &= \sqrt{65} \end{aligned}$$

19.



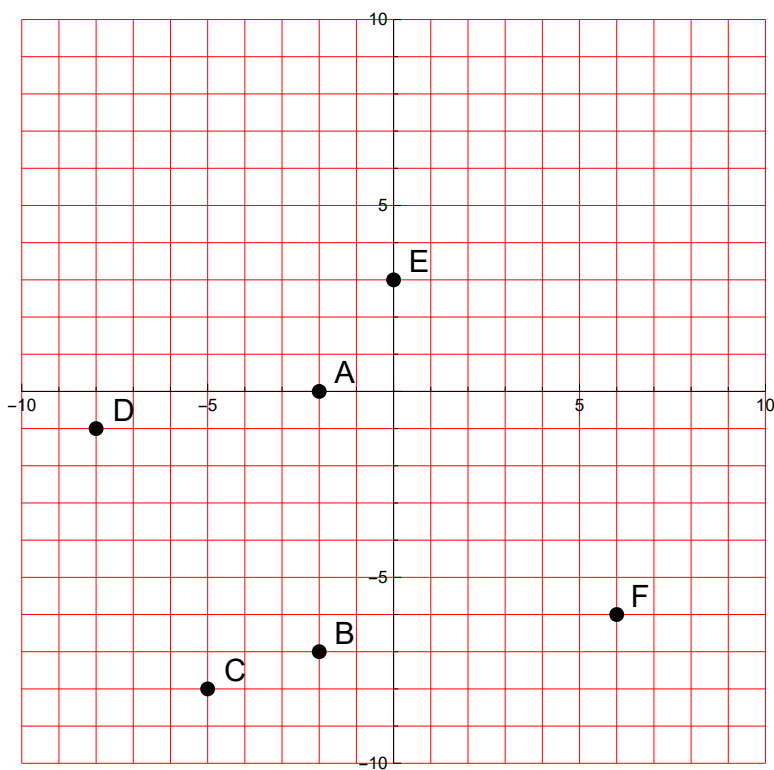
- $|AB| = \sqrt{205}$
- $|AC| = 2\sqrt{34}$
- $|AD| = 15$
- $|AE| = \sqrt{10}$
- $|AF| = 2\sqrt{10}$
- $|BC| = 5$
- $|BD| = 2\sqrt{37}$
- $|BE| = \sqrt{205}$
- $|BF| = \sqrt{89}$
- $|CD| = \sqrt{229}$
- $|CE| = 9\sqrt{2}$
- $|CF| = 4\sqrt{5}$
- $|DE| = \sqrt{157}$
- $|DF| = \sqrt{85}$
- $|EF| = \sqrt{26}$

20.



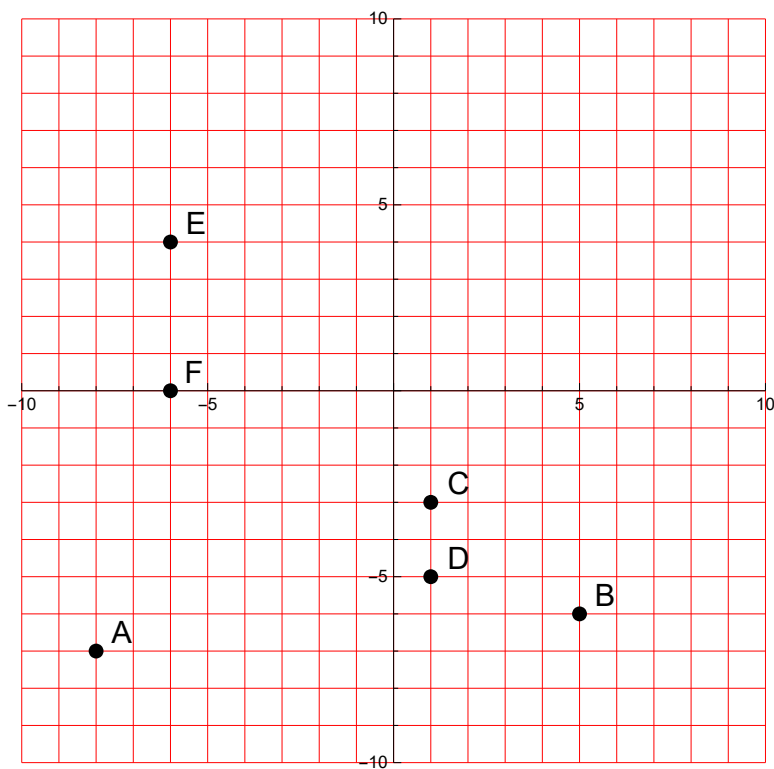
- $|AB| = 7$
- $|AC| = 9$
- $|AD| = \sqrt{26}$
- $|AE| = \sqrt{17}$
- $|AF| = \sqrt{122}$
- $|BC| = 2$
- $|BD| = \sqrt{5}$
- $|BE| = 4\sqrt{5}$
- $|BF| = \sqrt{185}$
- $|CD| = \sqrt{17}$
- $|CE| = 2\sqrt{29}$
- $|CF| = \sqrt{221}$
- $|DE| = 3\sqrt{5}$
- $|DF| = 2\sqrt{34}$
- $|EF| = 7$

21.



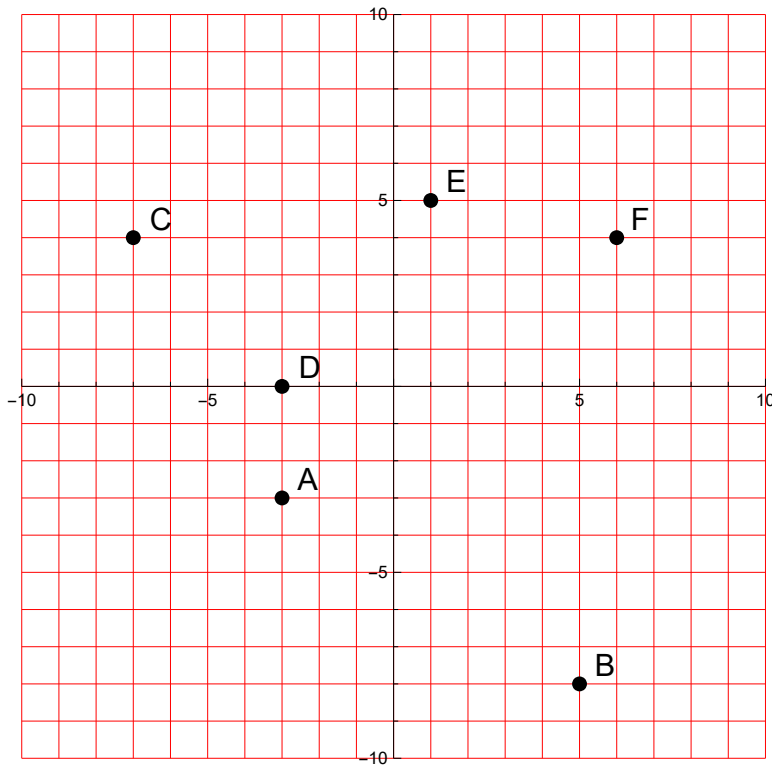
$$\begin{aligned} |AB| &= 7 \\ |AC| &= \sqrt{73} \\ |AD| &= \sqrt{37} \\ |AE| &= \sqrt{13} \\ |AF| &= 10 \\ |BC| &= \sqrt{10} \\ |BD| &= 6\sqrt{2} \\ |BE| &= 2\sqrt{26} \\ |BF| &= \sqrt{65} \\ |CD| &= \sqrt{58} \\ |CE| &= \sqrt{146} \\ |CF| &= 5\sqrt{5} \\ |DE| &= 4\sqrt{5} \\ |DF| &= \sqrt{221} \\ |EF| &= 3\sqrt{13} \end{aligned}$$

22.



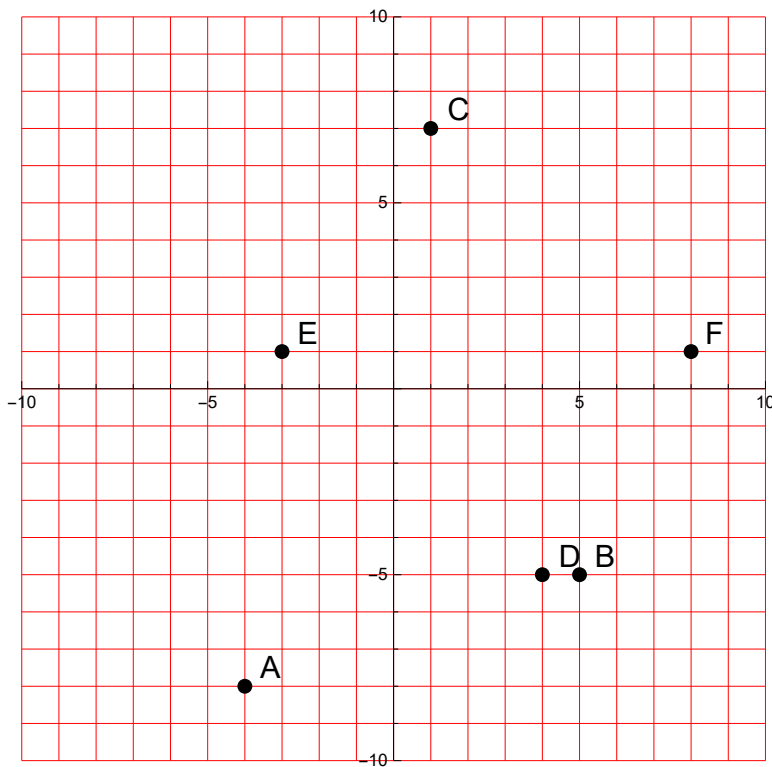
$$\begin{aligned} |AB| &= \sqrt{170} \\ |AC| &= \sqrt{97} \\ |AD| &= \sqrt{85} \\ |AE| &= 5\sqrt{5} \\ |AF| &= \sqrt{53} \\ |BC| &= 5 \\ |BD| &= \sqrt{17} \\ |BE| &= \sqrt{221} \\ |BF| &= \sqrt{157} \\ |CD| &= 2 \\ |CE| &= 7\sqrt{2} \\ |CF| &= \sqrt{58} \\ |DE| &= \sqrt{130} \\ |DF| &= \sqrt{74} \\ |EF| &= 4 \end{aligned}$$

23.



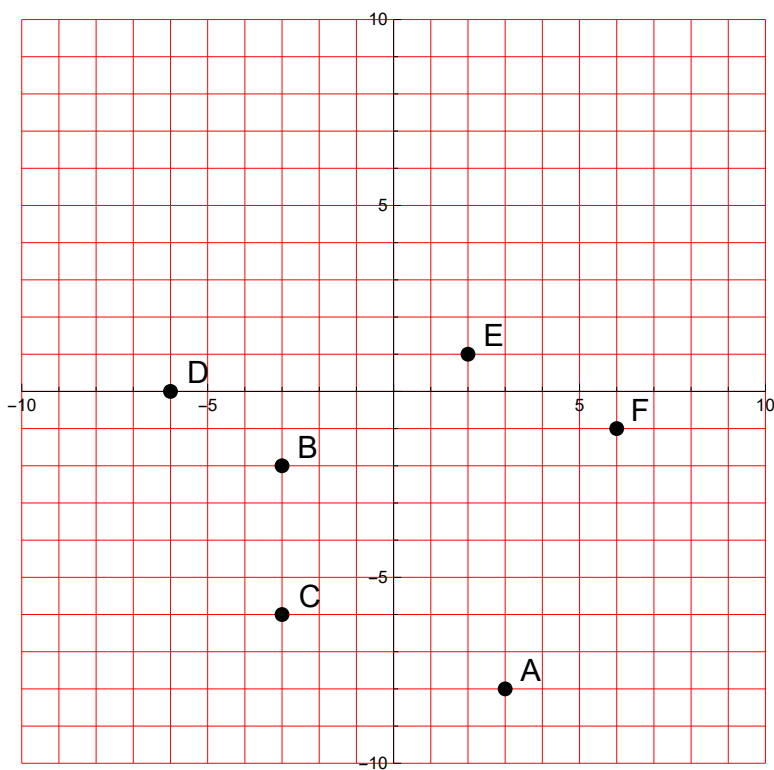
- $|AB| = \sqrt{89}$
- $|AC| = \sqrt{65}$
- $|AD| = 3$
- $|AE| = 4\sqrt{5}$
- $|AF| = \sqrt{130}$
- $|BC| = 12\sqrt{2}$
- $|BD| = 8\sqrt{2}$
- $|BE| = \sqrt{185}$
- $|BF| = \sqrt{145}$
- $|CD| = 4\sqrt{2}$
- $|CE| = \sqrt{65}$
- $|CF| = 13$
- $|DE| = \sqrt{41}$
- $|DF| = \sqrt{97}$
- $|EF| = \sqrt{26}$

24.



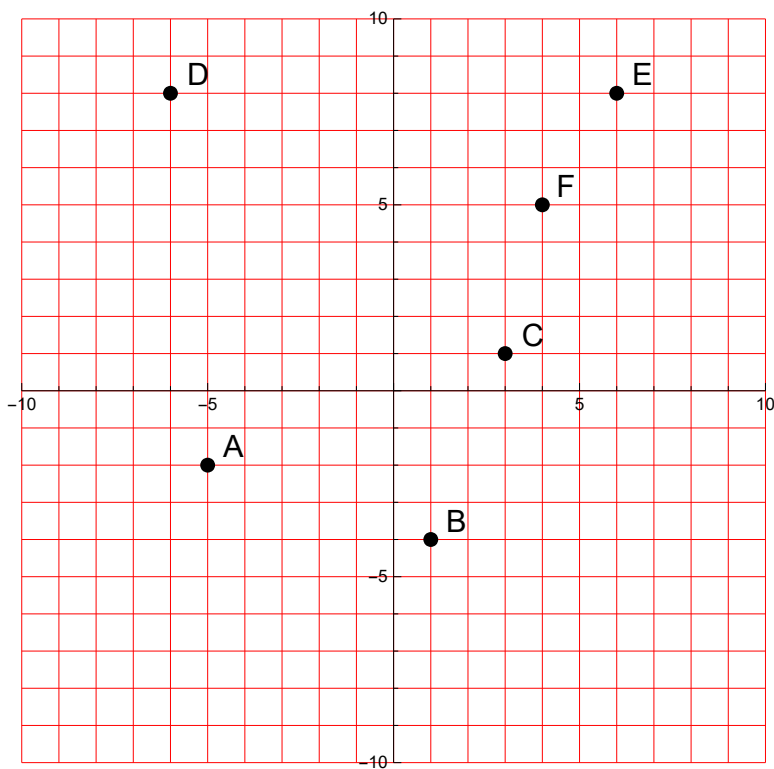
- $|AB| = 3\sqrt{10}$
- $|AC| = 5\sqrt{10}$
- $|AD| = \sqrt{73}$
- $|AE| = \sqrt{82}$
- $|AF| = 15$
- $|BC| = 4\sqrt{10}$
- $|BD| = 1$
- $|BE| = 10$
- $|BF| = 3\sqrt{5}$
- $|CD| = 3\sqrt{17}$
- $|CE| = 2\sqrt{13}$
- $|CF| = \sqrt{85}$
- $|DE| = \sqrt{85}$
- $|DF| = 2\sqrt{13}$
- $|EF| = 11$

25.



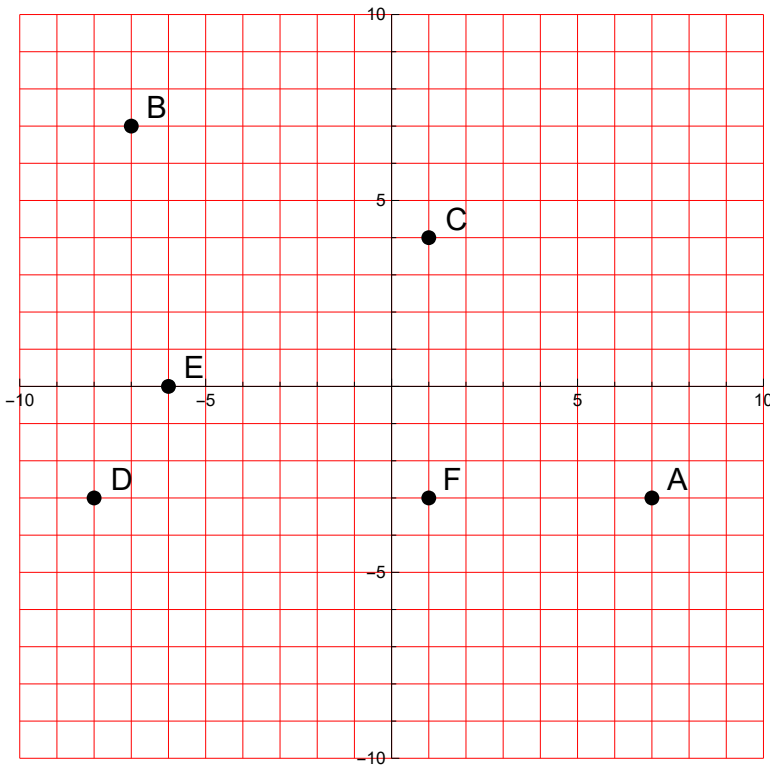
$$\begin{aligned} |AB| &= 6\sqrt{2} \\ |AC| &= 2\sqrt{10} \\ |AD| &= \sqrt{145} \\ |AE| &= \sqrt{82} \\ |AF| &= \sqrt{58} \\ |BC| &= 4 \\ |BD| &= \sqrt{13} \\ |BE| &= \sqrt{34} \\ |BF| &= \sqrt{82} \\ |CD| &= 3\sqrt{5} \\ |CE| &= \sqrt{74} \\ |CF| &= \sqrt{106} \\ |DE| &= \sqrt{65} \\ |DF| &= \sqrt{145} \\ |EF| &= 2\sqrt{5} \end{aligned}$$

26.



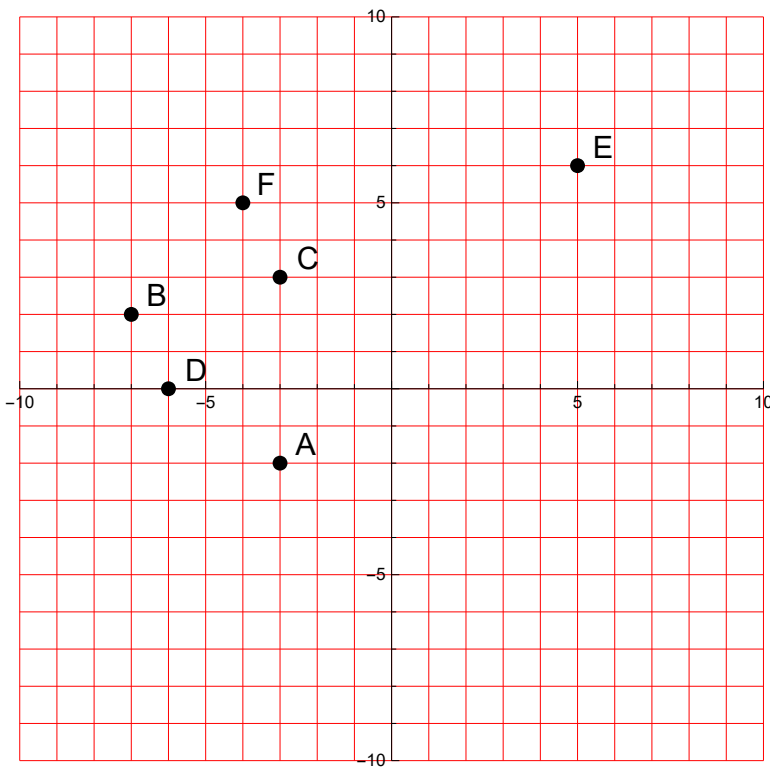
$$\begin{aligned} |AB| &= 2\sqrt{10} \\ |AC| &= \sqrt{73} \\ |AD| &= \sqrt{101} \\ |AE| &= \sqrt{221} \\ |AF| &= \sqrt{130} \\ |BC| &= \sqrt{29} \\ |BD| &= \sqrt{193} \\ |BE| &= 13 \\ |BF| &= 3\sqrt{10} \\ |CD| &= \sqrt{130} \\ |CE| &= \sqrt{58} \\ |CF| &= \sqrt{17} \\ |DE| &= 12 \\ |DF| &= \sqrt{109} \\ |EF| &= \sqrt{13} \end{aligned}$$

27.



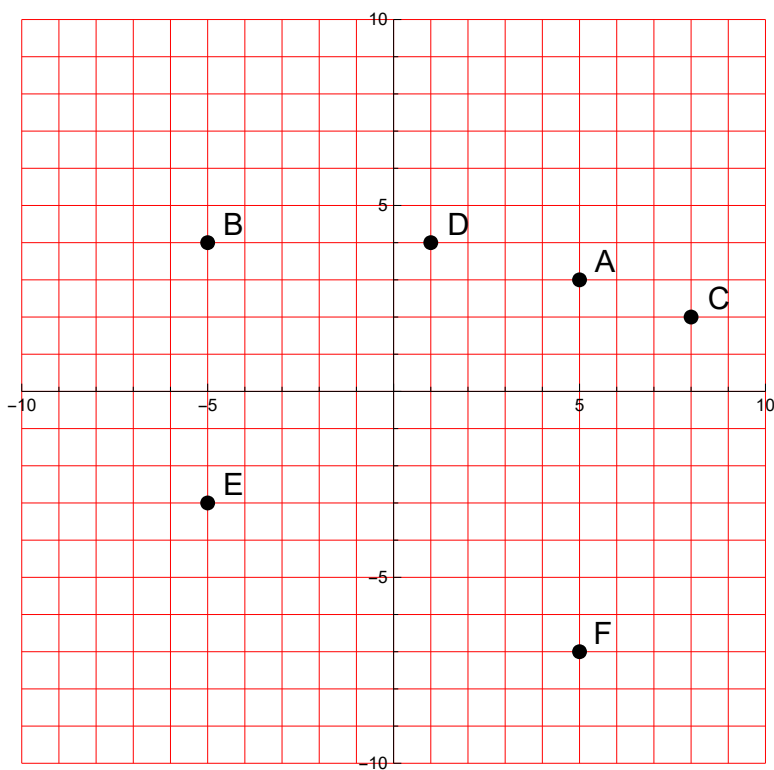
- $|AB| = 2\sqrt{74}$
- $|AC| = \sqrt{85}$
- $|AD| = 15$
- $|AE| = \sqrt{178}$
- $|AF| = 6$
- $|BC| = \sqrt{73}$
- $|BD| = \sqrt{101}$
- $|BE| = 5\sqrt{2}$
- $|BF| = 2\sqrt{41}$
- $|CD| = \sqrt{130}$
- $|CE| = \sqrt{65}$
- $|CF| = 7$
- $|DE| = \sqrt{13}$
- $|DF| = 9$
- $|EF| = \sqrt{58}$

28.



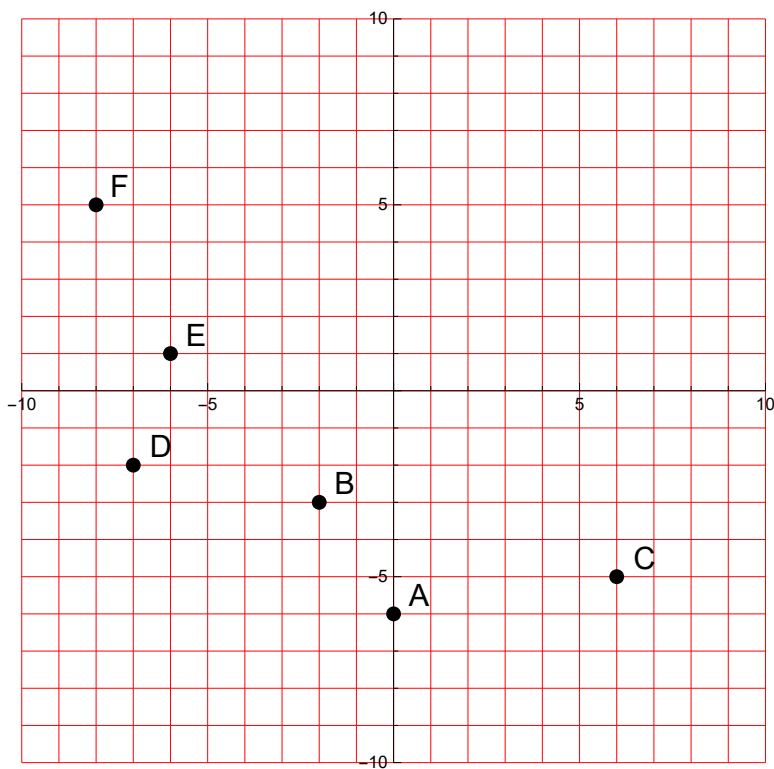
- $|AB| = 4\sqrt{2}$
- $|AC| = 5$
- $|AD| = \sqrt{13}$
- $|AE| = 8\sqrt{2}$
- $|AF| = 5\sqrt{2}$
- $|BC| = \sqrt{17}$
- $|BD| = \sqrt{5}$
- $|BE| = 4\sqrt{10}$
- $|BF| = 3\sqrt{2}$
- $|CD| = 3\sqrt{2}$
- $|CE| = \sqrt{73}$
- $|CF| = \sqrt{5}$
- $|DE| = \sqrt{157}$
- $|DF| = \sqrt{29}$
- $|EF| = \sqrt{82}$

29.



$$\begin{aligned} |AB| &= \sqrt{101} \\ |AC| &= \sqrt{10} \\ |AD| &= \sqrt{17} \\ |AE| &= 2\sqrt{34} \\ |AF| &= 10 \\ |BC| &= \sqrt{173} \\ |BD| &= 6 \\ |BE| &= 7 \\ |BF| &= \sqrt{221} \\ |CD| &= \sqrt{53} \\ |CE| &= \sqrt{194} \\ |CF| &= 3\sqrt{10} \\ |DE| &= \sqrt{85} \\ |DF| &= \sqrt{137} \\ |EF| &= 2\sqrt{29} \end{aligned}$$

30.



$$\begin{aligned} |AB| &= \sqrt{13} \\ |AC| &= \sqrt{37} \\ |AD| &= \sqrt{65} \\ |AE| &= \sqrt{85} \\ |AF| &= \sqrt{185} \\ |BC| &= 2\sqrt{17} \\ |BD| &= \sqrt{26} \\ |BE| &= 4\sqrt{2} \\ |BF| &= 10 \\ |CD| &= \sqrt{178} \\ |CE| &= 6\sqrt{5} \\ |CF| &= 2\sqrt{74} \\ |DE| &= \sqrt{10} \\ |DF| &= 5\sqrt{2} \\ |EF| &= 2\sqrt{5} \end{aligned}$$