

LESSON 42: Distance

Homework
.....

1. What is the distance from the origin to the point $(5, 5)$?
2. What is the distance from the point $(-6, -1)$ to the point $(-3, -9)$?
3. What is the distance from the point $(1, -7)$ to the point $(5, -7)$?
4. What is the distance from the point $(9, 15)$ to the point $(-3, 0)$?
5. What is the distance from the point $(2, 6)$ to the point $(2, -6)$?
6. Ms. Cole plotted the point $(3, -5)$. She had one of her students plot the point $(-1, 6)$. What is the distance between the two points?

LESSON 42: Distance

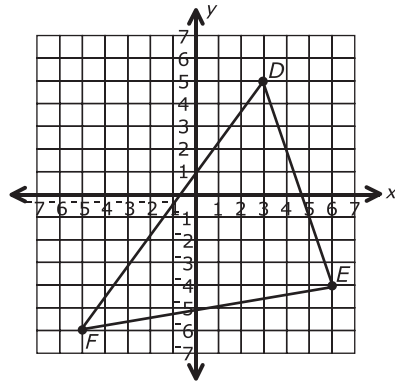
Homework

7. On a coordinate map, the point $(-5, 12)$ represents Lisa's house and the point $(2, -12)$ represents the Corner Mart. If the Corner Mart is exactly halfway between Lisa's house and Paula's house, what is the distance between Lisa and Paula's houses?

- A. 7
- B. 12
- C. 25
- D. 50

8. Find the perimeter of $\triangle DEF$. Round your answer to the nearest tenth.

- A. 25.3
- B. 34.3
- C. 37.5
- D. 44



9. The distance between $(3, y)$ and $(-5, 4)$ is 17. What is the value of y ?

- A. 8
- B. 12
- C. 19
- D. 25

LESSON 42: Distance

Homework

-
- 10.** A square has vertices $A(-2, 1)$, $B(4, 3)$, $C(6, -3)$ and $D(a, b)$. What are the values of a and b ?

