

Directions: Find the distance between the following set of coordinates.

1. $(7, 3), (-1, -4)$

$$\sqrt{113} \text{ or } 10.63$$

2. $(3, -5), (-3, 0)$

$$\sqrt{61} \text{ or } 7.81$$

3. $(6, -7), (3, -5)$

$$\sqrt{13} \text{ or } 3.61$$

4. $(5, 1), (5, -6)$

$$7$$

5. $(1, 4), (2, 5)$

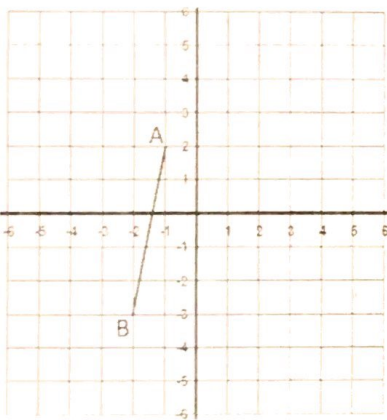
$$\sqrt{2} \text{ or } 1.41$$

6. $(-2, 1), (1, 8)$

$$\sqrt{58} \text{ or } 7.62$$

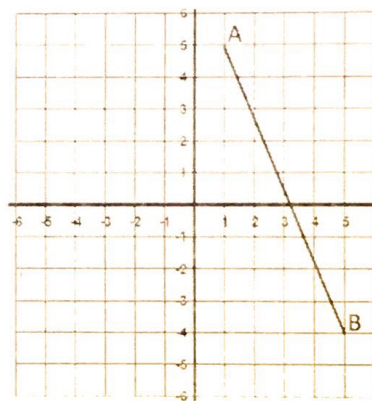
Directions: Find the distance of the segment on each graph by using the Pythagorean Theorem.

7.



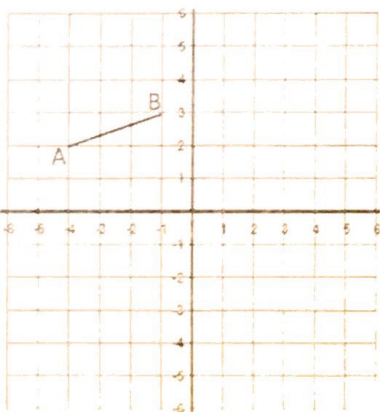
$$\sqrt{26} \text{ or } 5.10$$

8.



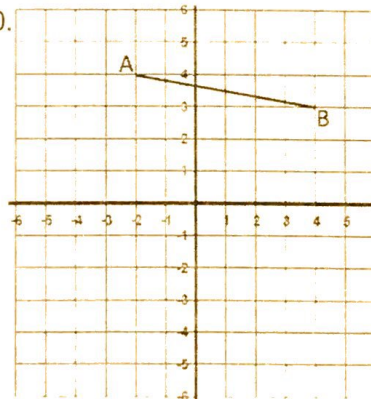
$$\sqrt{97} \text{ or } 9.85$$

9.



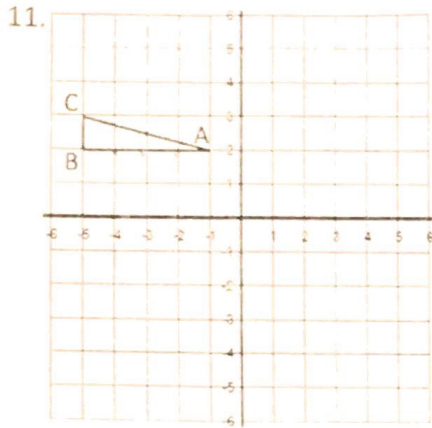
$$\sqrt{10} \text{ or } 3.16$$

10.



$$\sqrt{37} \text{ or } 6.08$$

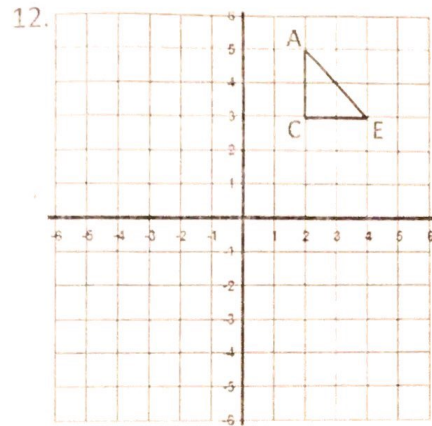
Directions: Find the perimeter of the figure using either the distance formula or the Pythagorean Theorem.



$$5 + \sqrt{17}$$

or

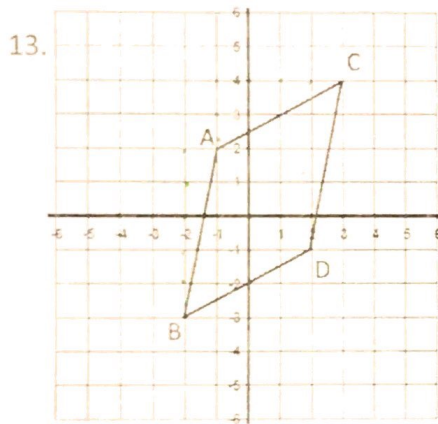
$$9.12$$



$$4 + 2\sqrt{2}$$

or

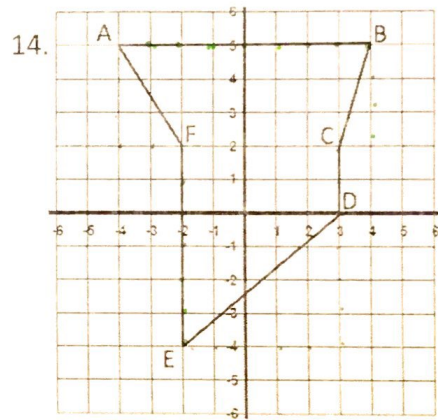
$$6.83$$



$$4\sqrt{5} + 2\sqrt{26}$$

or

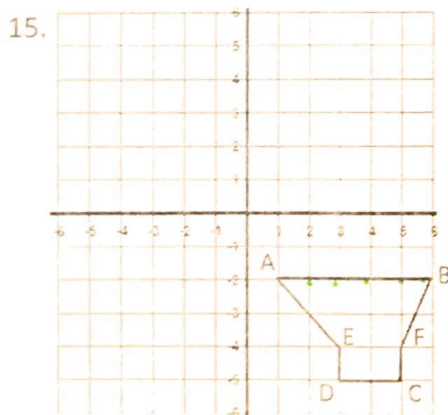
$$19.14$$



$$16 + \sqrt{10} + \sqrt{41} + \sqrt{13}$$

or

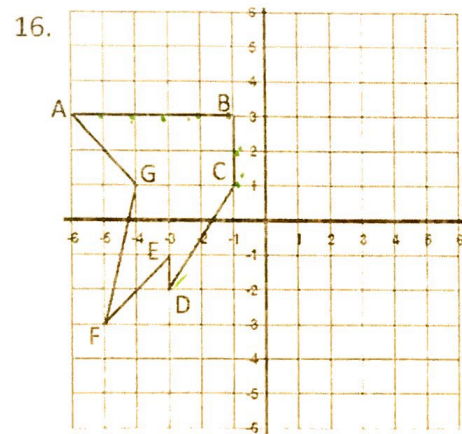
$$29.17$$



$$9 + 2\sqrt{2} + \sqrt{5}$$

or

$$14.06$$



$$8 + 6\sqrt{2} + \sqrt{17}$$

or

$$20.61$$