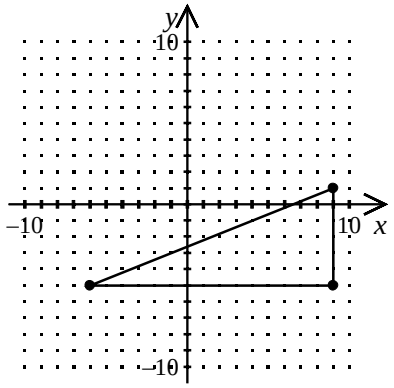
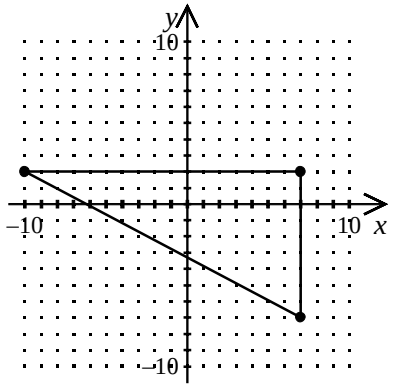
1. Which is the length of the hypotenuse of the triangle?



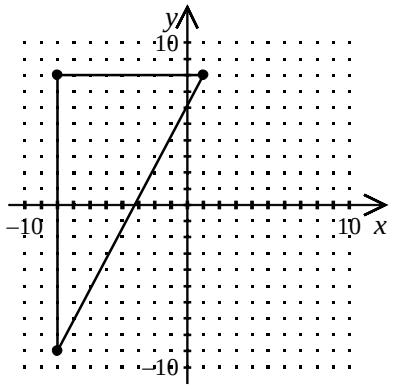
[A] 5 [B] 15.52 [C] 6.71 [D] 16.16

2. Which is the length of the hypotenuse of the triangle?



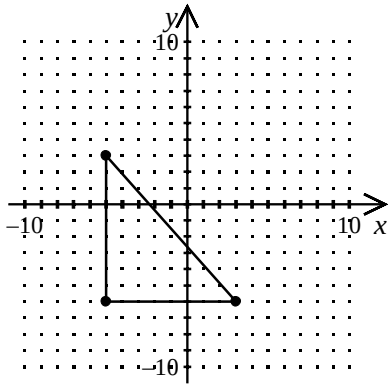
[A] 9.49 [B] 19.24 [C] 5.83 [D] 17.72

3. Which is the length of the hypotenuse of the triangle?



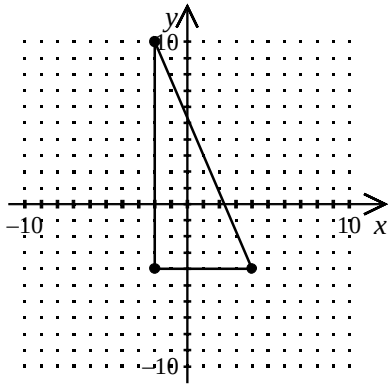
[A] 19.24 [B] 9.06 [C] 18.38 [D] 7.07

4. Which is the length of the hypotenuse of the triangle?



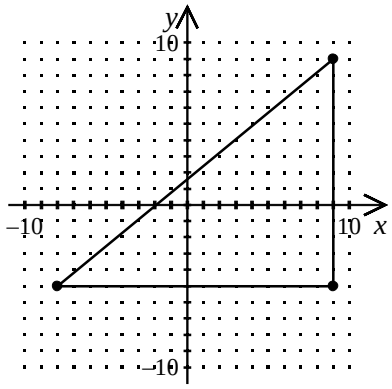
[A] 9.22 [B] 8.54 [C] 3.61 [D] 12.04

5. Which is the length of the hypotenuse of the triangle?



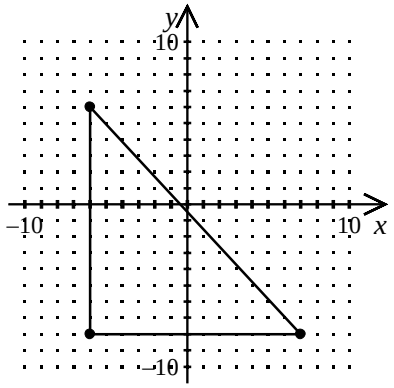
[A] 15.23 [B] 6.32 [C] 14.14 [D] 8.49

6. Which is the length of the hypotenuse of the triangle?



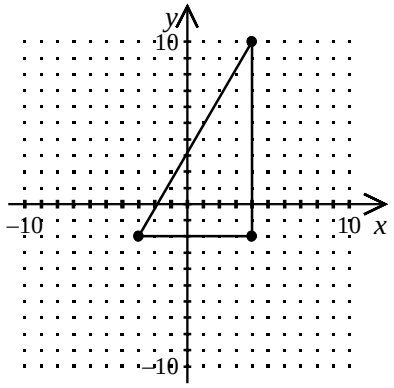
[A] 22.02 [B] 17.46 [C] 14.04 [D] 4.12

7. Which is the length of the hypotenuse of the triangle?



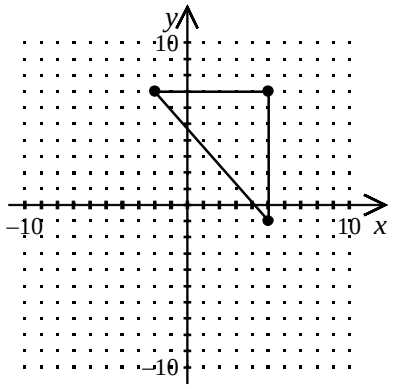
[A] 14.04 [B] 13.15 [C] 19.1 [D] 2.24

8. Which is the length of the hypotenuse of the triangle?



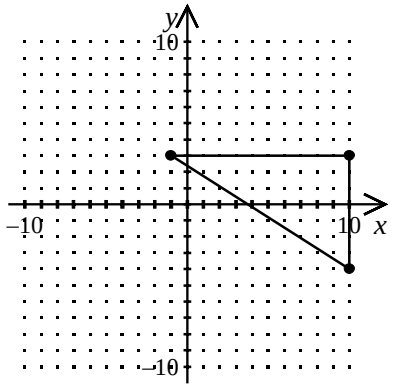
[A] 10.63 [B] 8.06 [C] 12.04 [D] 13.89

9. Which is the length of the hypotenuse of the triangle?



[A] 9.22 [B] 6.71 [C] 8.54 [D] 10.63

10. Which is the length of the hypotenuse of the triangle?



[A] 9.06 [B] 11.4 [C] 13.04 [D] 11.05

11. Find the distance between the pair of points $(-16, -7)$ and $(4, 20)$.

[A] 17.69 [B] 18.36 [C] 33.6 [D] 28.02

12. Find the distance between the pair of points $(-15, 4)$ and $(-7, 18)$.

[A] 27.31 [B] 31.4 [C] 31.11 [D] 16.12

13. Find the distance between the pair of points $(-10, 3)$ and $(-6, 16)$.

[A] 24.84 [B] 13.6 [C] 23.09 [D] 25.55

14. Find the distance between the pair of points $(-11, -8)$ and $(-2, 15)$.

[A] 25.5 [B] 24.7 [C] 14.76 [D] 17.26

15. Find the distance between the pair of points $(-20, 9)$ and $(-5, 13)$.

[A] 21.1 [B] 33.3 [C] 34.13 [D] 15.52

16. Find the distance between the pair of points $(-14, 5)$ and $(3, 11)$.

[A] 19.42 [B] 18.03 [C] 20.62 [D] 12.04

17. Find the distance between the pair of points $(-13, 6)$ and $(-2, 22)$.

[A] 25 [B] 30.61 [C] 31.76 [D] 19.42

18. Find the distance between the pair of points $(-12, 7)$ and $(3, 14)$.

[A] 16.55 [B] 21.95 [C] 22.85 [D] 12.08

19. Find the distance between the pair of points $(-19, 4)$ and $(5, 12)$.

[A] 25.3 [B] 16.55 [C] 21.26 [D] 24.04

20. Find the distance between the pair of points $(-18, -3)$ and $(-7, 21)$.

[A] 30.81 [B] 26.4 [C] 31.76 [D] 35

21. Verify that the triangle with vertices $B(0, 0)$, $C(3\sqrt{3}, 3)$, and $D(3\sqrt{3}, -3)$ is an equilateral triangle.

22. Verify that the triangle with vertices $C(0, 0)$, $D(\sqrt{3}, -1)$, and $E(\sqrt{3}, 1)$ is an equilateral triangle.

23. Verify that the triangle with vertices $P(0, -5)$, $Q(4, -5)$, and $R(2, -8)$ is an isosceles triangle.

24. Verify that the triangle with vertices $Q(-7, 0)$, $R(-1, 0)$, and $S(-4, -4)$ is an isosceles triangle.

25. Verify that the triangle with vertices $U(-4, 0)$, $V(0, 0)$, and $W(-2, -3)$ is an isosceles triangle.

26. Quadrilateral *ABCD* has vertices $A(-2, 4)$, $B(0, 4)$, $C(1, 5)$, and $D(-1, 5)$. Find the length of each side of the quadrilateral. Leave answers in simplified radical form, if necessary.

27. Quadrilateral *ABCD* has vertices $A(1, -1)$, $B(8, -1)$, $C(11, 5)$, and $D(4, 5)$. Find the length of each side of the quadrilateral. Leave answers in simplified radical form, if necessary.

28. Quadrilateral *ABCD* has vertices $A(-1, -7)$, $B(6, -7)$, $C(8, -1)$, and $D(1, -1)$. Find the length of each side of the quadrilateral. Leave answers in simplified radical form, if necessary.

29. Quadrilateral *ABCD* has vertices $A(5, 6)$, $B(10, 6)$, $C(12, 10)$, and $D(7, 10)$. Find the length of each side of the quadrilateral. Leave answers in simplified radical form, if necessary.

30. Quadrilateral *ABCD* has vertices $A(-4, -5)$, $B(0, -5)$, $C(2, -2)$, and $D(-2, -2)$. Find the length of each side of the quadrilateral. Leave answers in simplified radical form, if necessary.