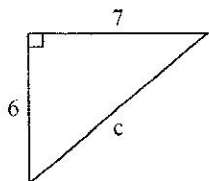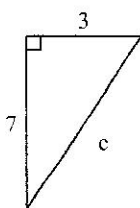## 3rd 9 Weeks Test Study Sheet 2

Short Answer

1. Find the **circumference** of a circle with radius 14.2 m, in terms of π and to the nearest tenth.

2. Find the **circumference** of a circle with diameter 5.2 in., in terms of π.

3. Find the **area** of a circle with radius 12 mm, in terms of π.

4. Find the **area** of a circle with diameter 8 ft, in terms of π.

5. Find the length of the hypotenuse of the triangle to the nearest tenth.


6. Find the length of the hypotenuse of the triangle to the nearest tenth.

7. A piece of wood is to be cut so that it is square and has an area of 133 square inches. How long should the sides be, rounded to the nearest tenth of an inch?

8. A piece of wood is to be cut so that it is square and has an area of 110 square inches. How long should the sides be, rounded to the nearest tenth of an inch?

9. Find the length of the unknown side in the right triangle to the nearest tenth.
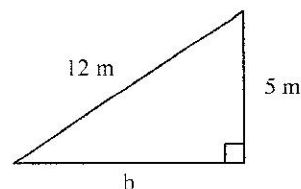

10. Find the length of the unknown side in the right triangle to the nearest tenth.
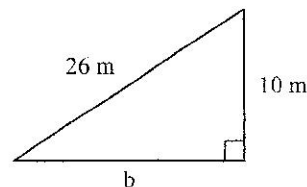
11. Find the circumference of a circle with diameter 20 cm, both in terms of π and to the nearest tenth. Use 3.14 for π.

12. Find the circumference of a circle with radius 18 cm, both in terms of π and to the nearest tenth. Use 3.14 for π.
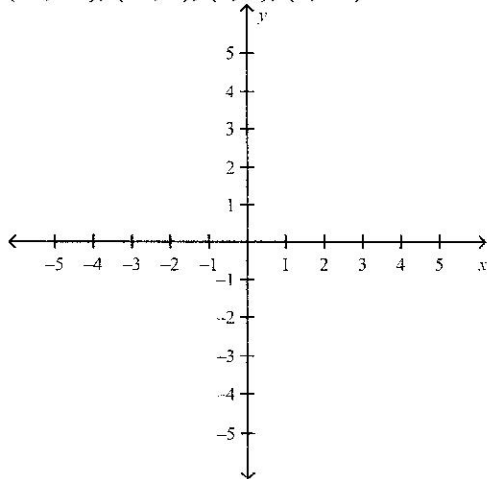
13. Graph and find the area of the figure with the given vertices.
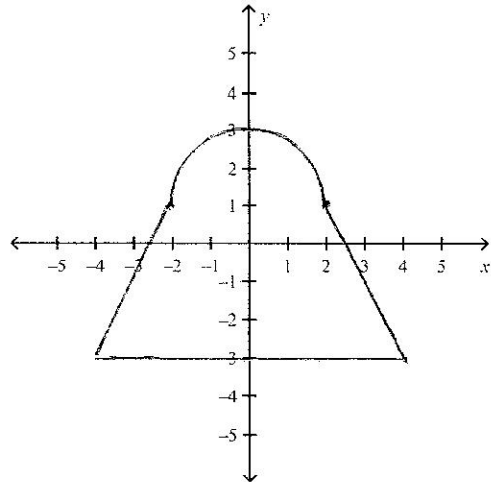
$(-3, -2), (-1, 0), (2, -2)$
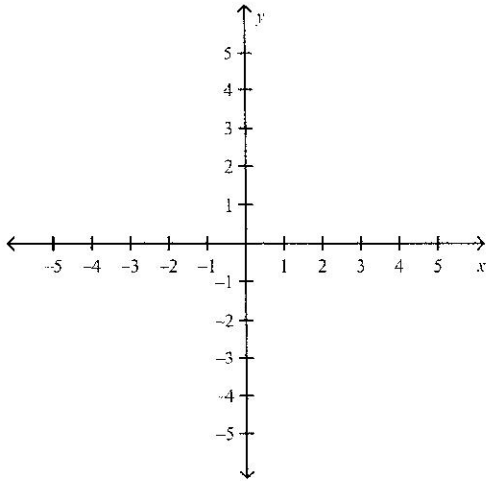
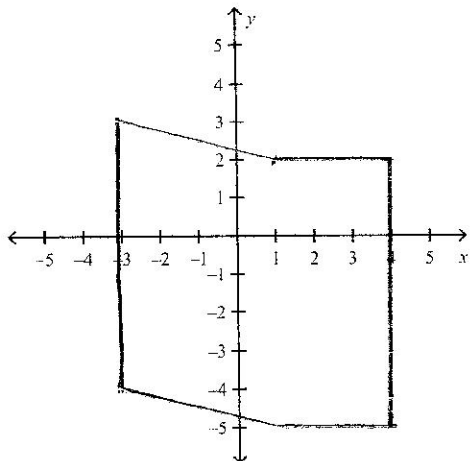15. Find the area of the composite figure. If necessary, round to the nearest tenth.
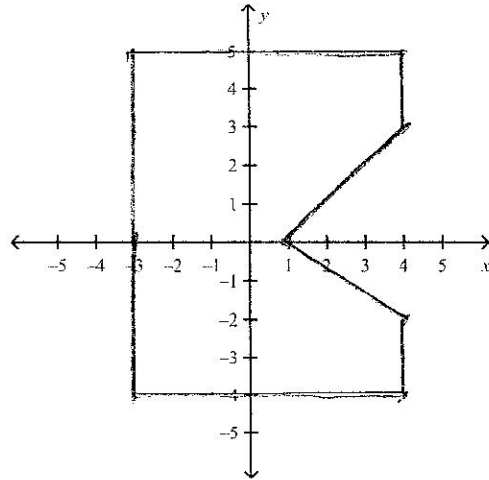
14. Graph and find the area of the figure with the given vertices.
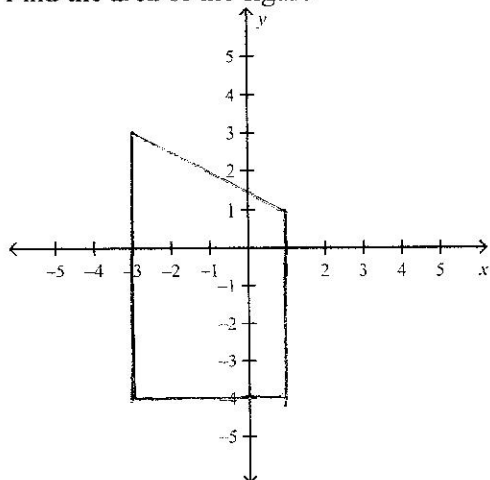
$(-1, -1), (-1, 2), (1, 2), (4, -1)$

16. Find the area of the composite figure. If necessary, round to the nearest tenth.

17. Find the area of the composite figure. If necessary, round to the nearest tenth.
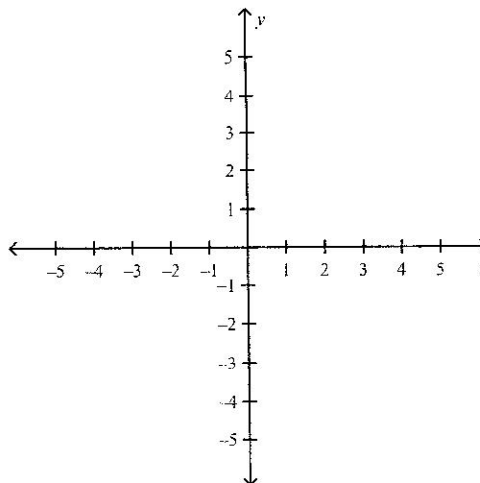
18. Find the area of the figure.

19. Graph the figure with the given vertices. Then find the area of the figure.
$(-2, -2), (-2, 3), (2, 3), (2, -2)$

20. Find the distance between the two points.
$(d = \sqrt{\Delta x^2 + \Delta y^2})$
$(-1, 0), (-1, 5)$

21. Find the distance between the two points.
$(d = \sqrt{\Delta x^2 + \Delta y^2})$
$(-3, -3), (-4, 0)$

22. Find the distance between the two points.
$(d = \sqrt{\Delta x^2 + \Delta y^2})$
$(-2, 1), (2, -4)$

23. Find the distance between the two points.
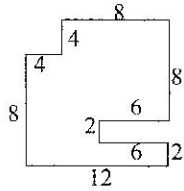$(d = \sqrt{\Delta x^2 + \Delta y^2})$
$(-3, 1), (0, -2)$

24. Find the area of a circle with radius 16.2 mm, both in terms of π and to the nearest tenth. Use 3.14 for π.

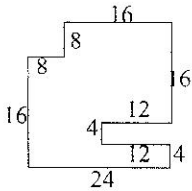25. Find the area of a circle with diameter 46 m, both in terms of π and to the nearest tenth. Use 3.14 for π.
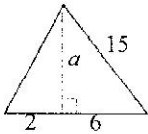
26. Find the perimeter and area of the given figure.

27. Find the perimeter and area of the given figure.

28. Use the Pythagorean Theorem to find the height of the triangle to the nearest tenth. Then use the height to find the area of the triangle to the nearest tenth.

29. Use the Pythagorean Theorem to find the height of the triangle to the nearest tenth. Then use the height to find the area of the triangle to the nearest tenth.