

Geometry Chapter 11 Practice Test 1

Name _____

Which of the figures below can be folded into a cube? _____

Figure 1

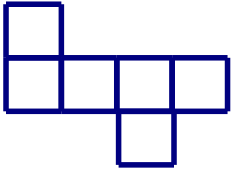


Figure 2

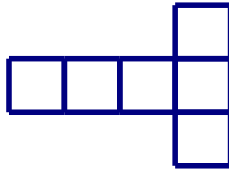


Figure 3

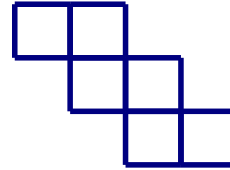


Figure 4

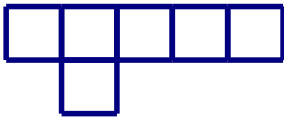


Figure 5

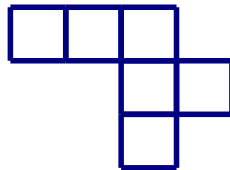


Figure 6

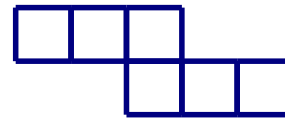


Figure 7

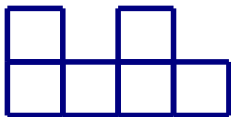


Figure 8

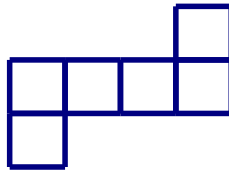
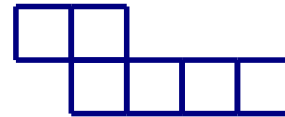


Figure 9



Consider the following equations of circles. Give the center and radius of each.

2. $(x - 1)^2 + (y + 7)^2 = 9$ Center = _____ Radius = _____

3. $(x - 1)^2 + (y + 17)^2 = 81$ Center = _____ Radius = _____

4. $x^2 + (y - 22)^2 = 4$ Center = _____ Radius = _____

5. $(x - 19)^2 + y^2 = 1$ Center = _____ Radius = _____

6. $(x - 2)^2 + (y + 12)^2 = 9$ Center = _____ Radius = _____

7. $(x - 1)^2 + (y - 1)^2 = 121$ Center = _____ Radius = _____

Give the equation of the circle that has the given center and given radius.

8. Center = (20, 5) Radius = 3 Equation = _____
9. Center = (-1, 0) Radius = 2 Equation = _____
10. Center = (0, -3) Radius = 5 Equation = _____
11. Center = (-2, -7) Radius = 11 Equation = _____
12. Center = (5, -3) Radius = 10 Equation = _____

13. If A = (-2, 4) and it is reflected over the y-axis, where will it land? _____
14. If A = (0, 2) and it is reflected over the x-axis, where will it land? _____
15. If A = (-1, -4) and it is reflected over the line $y = 4$, where will it land? _____
16. If A = (-2, -5) and it is reflected over the line $x = 2$, where will it land? _____
17. If A = (3, -6) and it is reflected over the line $y = x$, where will it land? _____
18. If A = (-4, 3) and it is reflected over the line $y = x$, where will it land? _____
19. Circle the shapes below that have both line symmetry and point symmetry.

Circle Rectangle Isosceles Trapezoid Square Scalene Triangle

Given the point and the translation, tell where the new point will be.

20. Point = (3, 5) Translation = $(x - 3, y + 1)$ New Point = _____
21. Point = (-3, 2) Translation = $(x - 1, y + 5)$ New Point = _____
22. Point = (0, -5) Translation = $(x + 5, y - 2)$ New Point = _____
23. Point = (-3, -8) Translation = $(x, y + 3)$ New Point = _____
24. Point = (1, -5) Translation = $(x - 3, y)$ New Point = _____

25. What type of symmetry does a regular quadrilateral have? _____

26. Which line of reflection maps point A at (-4, 4) to point A' at ((4, -4)? _____

A.) $y = 4$ B.) $x = -4$ C.) $y = -4$ D.) $x = 4$ E.) x-axis F.) $y = x$ G.) y-axis

27. The diameter of a circle has endpoints (-5, 3) and (5, -3).
What is the length of the diameter of the circle? _____