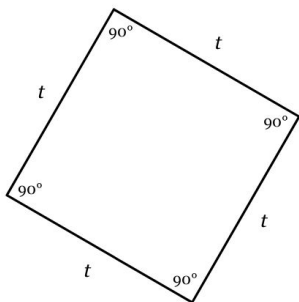**53.** Fill in the sentence below with the description that **most specifically** applies to the quadrilateral below.

The quadrilateral is most specifically a

_____, because
　　　　word bank 1

_____.
　　　word bank 2

Word bank 1: **(a)** parallelogram, **(b)** square, **(c)** trapezoid, **(d)** generic quadrilateral

Word bank 2: **(a)** it is regular, **(b)** all sides are of equal measure, **(c)** both pairs of sides are parallel, **(d)** opposite sides are congruent

54. Fill in the sentence below with the description that **most specifically** applies to the quadrilateral below.

The quadrilateral is most specifically a _____,
　　　　　　　　　　　　　　　　　　　word bank 1
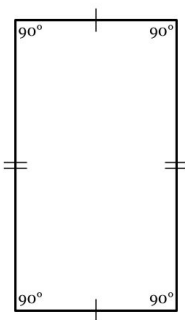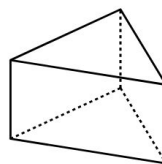
because _____.
　　　　　　　word bank 2

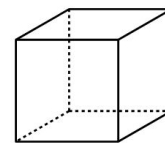Word bank 1: **(a)** trapezoid, **(b)** parallelogram, **(c)** rectangle, **(d)** square

Word bank 2: **(a)** it is equilateral and all angles are congruent, **(b)** no sides are congruent or parallel, **(c)** it is equiangular, **(d)** both pairs of sides are parallel

55. A solid is cut by a plane that is parallel to its base, forming a two-dimensional cross section in the shape of a square. Which of the following solids could have resulted in that cross section?
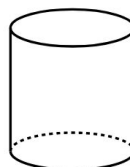
A   B
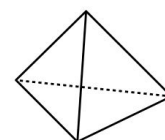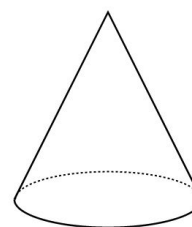

C   D

56. A right cone is pictured below. Select the type of cross section formed when the figure is cut parallel to its base.

A. pentagon

B. circle

C. triangle

D. square

57. Select the type of cross section formed when a triangular pyramid is cut parallel to its base.

A. hexagon

B. triangle

C. square

D. circle

58. What is the volume of a cylinder, in cubic inches, with a height of 6 inches and a base diameter of 20 inches? *Round to the nearest tenths place*

59. What is the volume, in cubic ft, of a cylinder with a height of 12ft and a base radius of 9ft, *to the nearest tenths place*?

60. What is the volume of a cylinder, in cubic feet, with a height of 7 feet and a base diameter of 18 feet? *Round to the nearest tenths place*

61. Find the volume of a pyramid with a square base, where the side length of the base is 11.1 m and the height of the pyramid is 8.2 m. Round your answer to the *nearest tenth of a cubic meter.*

62. Find the volume of a pyramid with a square base, where the area of the base is 12.9 cm^2 and the height of the pyramid is 15.2 cm. Round your answer to the *nearest tenth of a cubic centimeter.*

63. Find the volume of a pyramid with a square base, where the perimeter of the base is 19.1 ft and the height of the pyramid is 15.9 ft. Round your answer to the *nearest tenth of a cubic foot.*

64. Find the volume of a right circular cone that has a height of 8.1 in and a base with a diameter of 7.6 in. Round your answer to the nearest tenth of a cubic inch.

65. Find the volume of a right circular cone that has a height of 4.3 m and a base with a circumference of 17.6 m. Round your answer to the nearest tenth of a cubic meter.

66. Find the volume of a right circular cone that has a height of 12.9 cm and a base with a radius of 5.6 cm. Round your answer to the nearest tenth of a cubic centimeter.

67. What is the volume of a sphere with a radius of 2.6 ft, rounded to the *nearest tenth* of a cubic foot?

68. What is the volume of a hemisphere with a radius of 2.3 m, rounded to the *nearest tenth* of a cubic meter?

69. What is the volume of a sphere with a diameter of 43.5 cm, rounded to the *nearest tenth* of a cubic centimeter?