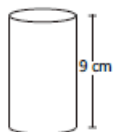




Warm-Up 6

71. _____ teams How many different three-member teams can be formed from a group of six students?

72. _____ cm^2



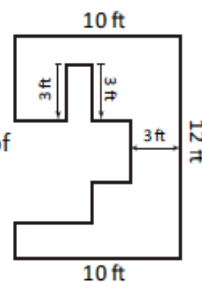
A right circular cylinder has a volume of $144\pi \text{ cm}^3$ and a height of 9 cm. What is the area of its base? Express your answer in terms of π .

73. _____ The math team ordered 7 eight-slice pizzas. What fraction of the total amount of the pizza ordered is left after 41 slices are eaten? Express your answer as a common fraction.

74. _____ The square root of the quantity 3 less than twice a number is equal to 3. What is the number?

75. _____ marbles Bailey said to Kaylee, "If you gave me two of your marbles, I'd have twice as many as you'd have." And Kaylee responded, "If you gave me three of your marbles, I'd have three times as many as you'd have." What is the difference between the number of marbles that Bailey and Kaylee have?

76. _____ ft If all the angles in the figure shown are right angles, what is the perimeter of the figure?

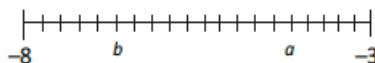


77. _____ strokes



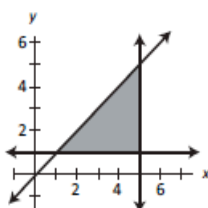
The average of Martha's first 5 rounds of golf is 98 strokes. How many strokes would Martha need to average on her next 3 rounds to bring her average down to 92 strokes?

78. _____ On the number line below, the tick marks are evenly spaced. What is the value of $b - a$? Express your answer as a mixed number.



79. _____ dollars The price of a coat that originally sold for \$80 is reduced by 20%. A different coat that originally sold for \$100 is marked down 30%, and then a 10% discount is given on the reduced price. After all of the reductions, what is the positive difference in the prices of the two coats?

80. _____ units^2



A region in the coordinate plane is bounded by $y = x$, $x = 5$ and $y = 1$. What is the area of this region?