

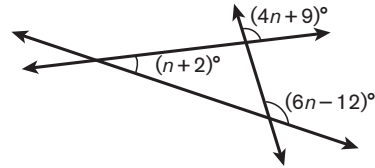


Warm-Up 7

91. _____ units² A circle has circumference $4\pi^2$ units. What is the circle's area? Express your answer in terms of π .

92. _____ units What is the distance in space between the points $(1, 2, 3)$ and $(-7, 6, 4)$?

93. _____ In the figure shown, what is the value of n ?



94. _____ A fair coin is flipped 10 times. What is the probability that neither heads nor tails shows up twice in a row? Express your answer as a common fraction.



95. _____ minutes Driving at 50 mi/h, how many minutes does it take to drive 15 miles?

96. _____ What is $\frac{1}{10}$ of $\frac{1}{5}$ of 80? Express your answer as a decimal to the nearest tenth.

97. _____ If a number n is divided by 4, the remainder is 1. What is the remainder when $5n$ is divided by 4?

98. _____ The odds that Macy will come in first in the 200-meter hurdles are said to be 5 to 12. This quantity represents the ratio of the probability that she will come in first to the probability that she will not come in first. What is the probability that someone else will come in first in the race? Express your answer as a common fraction.



99. _____ What is the greatest possible value of x that satisfies the inequality $\frac{1}{x} + \frac{1}{2} \geq 5$? Express your answer as a common fraction.

100. _____ How many more quadrilaterals than triangles are in the figure shown?

