

# Download File PDF Geometric Probability Worksheet Answers

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so many fake sites. this is the first one which worked! Many thanks

Name: \_\_\_\_\_ Geometric Probability Worksheet

Remember:

The probability of the event is the area of the region of the event...  
the area of the entire region

Circle:  $Area = \pi r^2$  Triangle:  $A = \frac{1}{2}bh$

Square:  $Area = s^2$  Rectangle:  $A = lw$

Round to the nearest hundredth and use 3.14 for  $\pi$ .

1. a. Find the area of the circle.

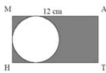


b. Find the area of the square.

c. Find the probability that a dart thrown randomly will hit the circle.  
Give your answer as a fraction, decimal and percent.

2. In the following diagram MATH is a rectangle with an inscribed circle. The circle has a diameter of 8 centimeters and the rectangle has a height of 12 centimeters (as shown).

Find the probability that a dart thrown randomly will hit the circle.  
Give your answer as a fraction, decimal and percent.



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