

NAME: _____

DATE: _____

HALLOWEEN GEOMETRY CHALLENGE

Instructions:

Solve each geometry problem. Show your work and write your final answer in the space provided.

1. PUMPKIN TRIANGLE

A pumpkin decoration is shaped like a triangle with a base of 14 cm and a height of 9 cm. Find its area.

Answer: _____

2. WITCH'S HAT

A witch's hat has a circular brim with a radius of 7 cm. Find the circumference. (Use $\pi = 22/7$.)

Answer: _____

3. SPIDER WEB

A spider spins a regular hexagon-shaped web.

How many interior angles does the hexagon have in total?

Answer: _____

4. HAUNTED FENCE

A rectangular haunted fence is 18 m long and 11 m wide. Find its perimeter.

Answer: _____

5. GHOST PATH

A ghost walks from one corner of a square graveyard to the opposite corner. Each side of the square is 10 m.

Find the length of the diagonal. (Leave your answer in simplest radical form.)

Answer: _____