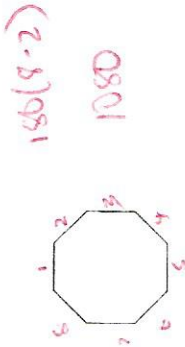


44. Find the sum of the interior angle measures by dividing the polygon into triangles. If necessary, round your answer to the nearest hundredth.



45. Write the inverse of the statement, "If a figure is a square, then it has four sides."

If a figure is not a square, then it does not have 4 sides.

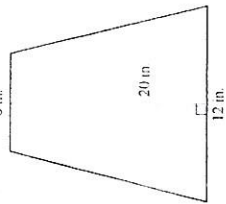
46. Write the contrapositive of the statement, "If a state's capital is Denver, then the state is Colorado."

If the state is not Colorado, then the capital is not Denver.

47. Use a calculator to evaluate $\sin 65^\circ$, $\cos 54^\circ$, and $\tan 56^\circ$. Round to the nearest hundredth.

0.91 0.59 1.48

48. Find the area of the trapezoid.



$$A = \frac{1}{2}h(b_1 + b_2)$$

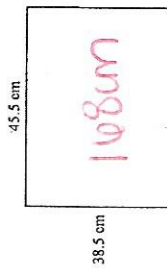
$$A = \frac{1}{2}(20)(6+12)$$

$$A = 180 \text{ in}^2$$

49. Write the converse of the statement, "If a dog is a bloodhound, then it has floppy ears."

If a dog has floppy ears, then it is a bloodhound.

50. Find the perimeter of the rectangle.



$$P = 2(l + w)$$

$$P = 2(38.5 + 45.5)$$

$$P = 168 \text{ cm}$$

$$45.5$$