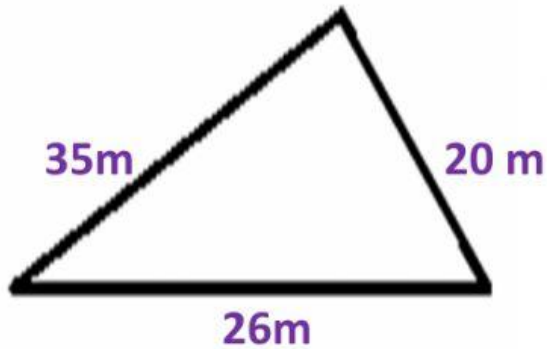


NAME \_\_\_\_\_ DATE \_\_\_\_\_

### Coursework Question # 4

**Heron's Formula:** Area of Triangle =  $\sqrt{s(s-a)(s-b)(s-c)}$

$$s = \frac{a + b + c}{2}$$



$$s = \frac{a + b + c}{2} = \frac{\underline{\quad} + \underline{\quad} + \underline{\quad}}{\underline{\quad}} = \frac{\underline{\quad}}{\underline{\quad}} = \underline{\quad} m$$

$$\text{Area} = \sqrt{\underline{\quad}(\underline{\quad} - \underline{\quad})(\underline{\quad} - \underline{\quad})(\underline{\quad} - \underline{\quad})}$$

$$= \sqrt{\underline{\quad} \times \underline{\quad} \times \underline{\quad} \times \underline{\quad}}$$

$$= \sqrt{\underline{\quad}} = \underline{\quad} m^2$$