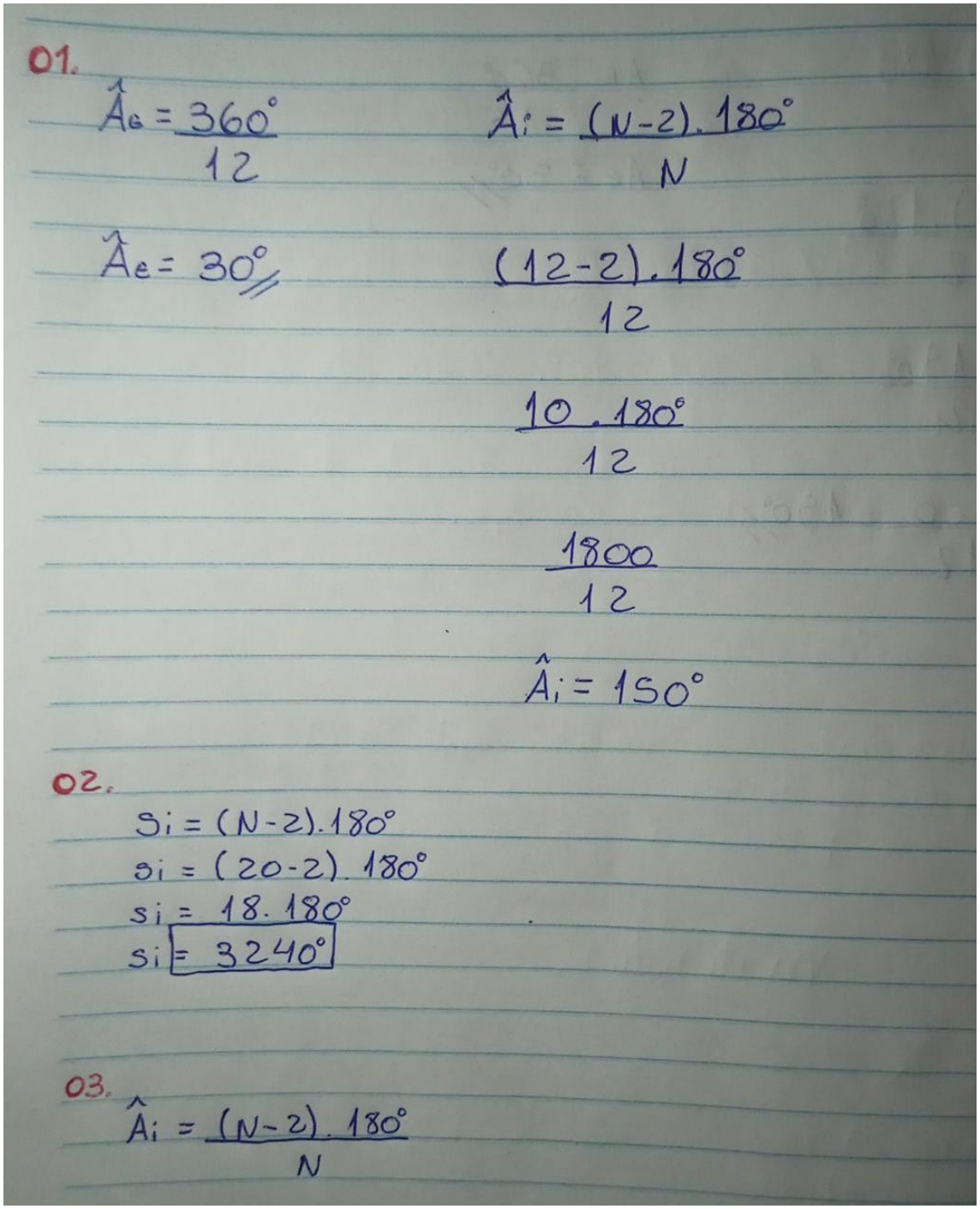
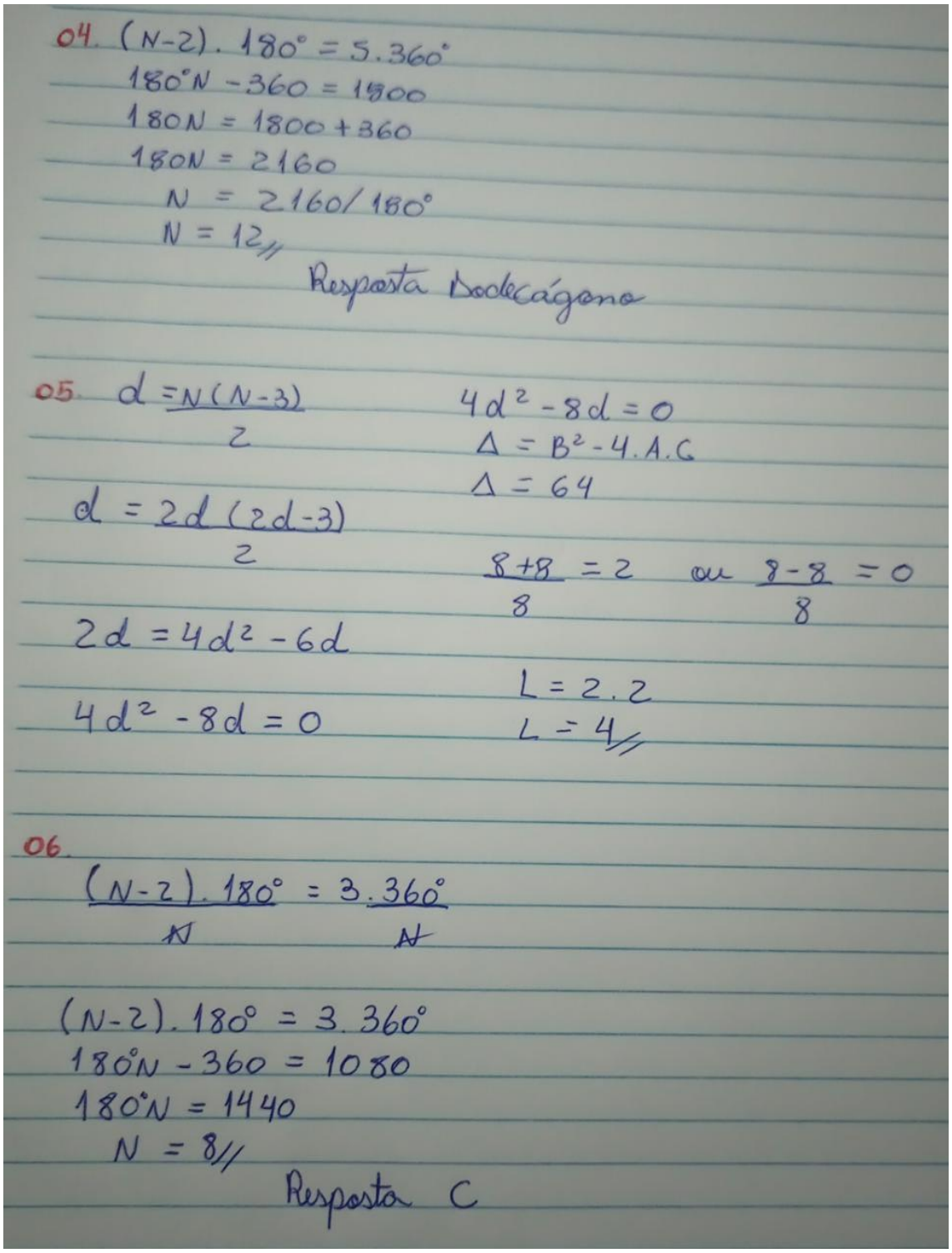
**Nome:** Mikaela dos Santos Ferreira **Prontuário:** 1890336 **CTII**-348

**Polígonos**

## Exercícios 1, 2 e 3



**Exercícios 4, 5 e 6**



04. $(N-2).180° = 5.360°$

$180°N - 360 = 1800$

$180N = 1800 + 360$

$180N = 2160$

$N = 2160 / 180°$

$N = 12$ //

Resposta Dodecágono

05. $d = \frac{N(N-3)}{2}$

$d = \frac{2d(2d-3)}{2}$

$2d = 4d^2 - 6d$

$4d^2 - 8d = 0$

$4d^2 - 8d = 0$

$\Delta = B^2 - 4.A.C$

$\Delta = 64$

$\frac{8+8}{8} = 2$ ou $\frac{8-8}{8} = 0$

$L = 2.2$

$L = 4$ //

06.

$\frac{(N-2).180°}{N} = \frac{3.360°}{N}$

$(N-2).180° = 3.360°$

$180°N - 360 = 1080$

$180°N = 1440$

$N = 8$ //

Resposta C