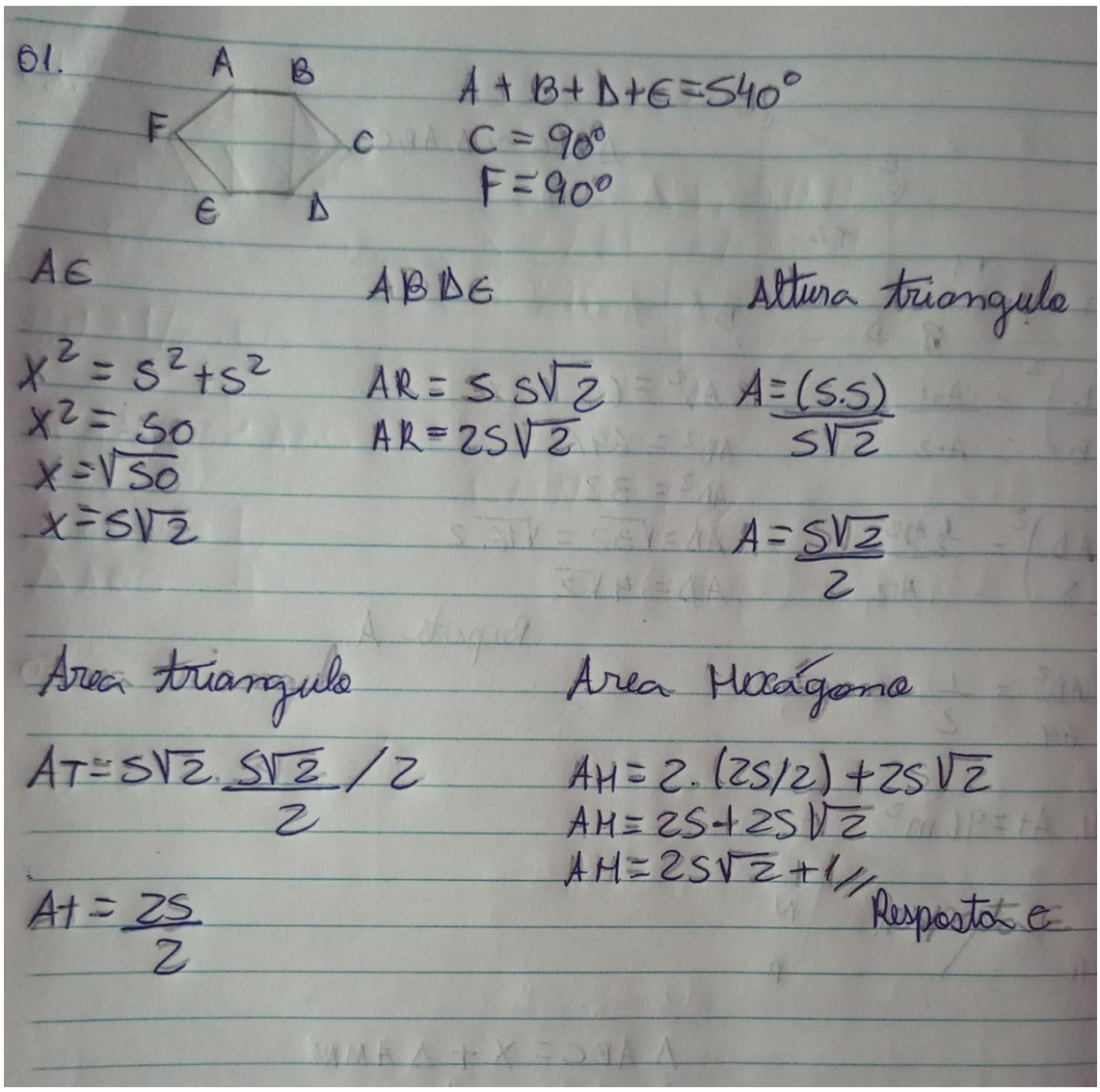
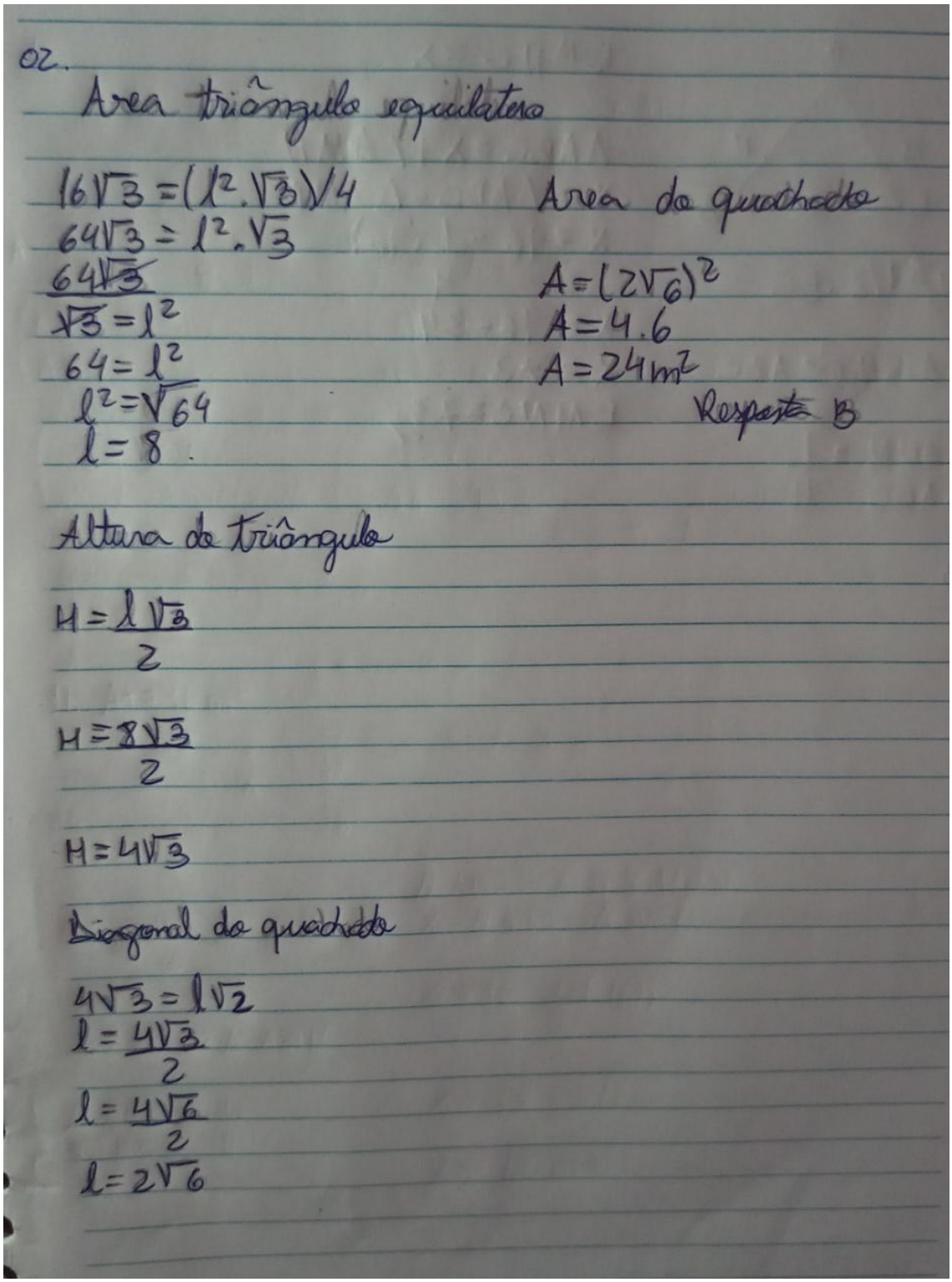
Nome: Mikaela dos Santos Ferreira Prontuário: 1890336 CTII-348

Área de Polígono

Exercício1



Exercício2



02.

Area triângulo equilatero

$16\sqrt{3} = (l^2 \cdot \sqrt{3}) / 4$

$64\sqrt{3} = l^2 \cdot \sqrt{3}$

$\frac{64\sqrt{3}}{\sqrt{3}} = l^2$

$64 = l^2$

$l^2 = \sqrt{64}$

$l = 8$.

Area do quadrado

$A = (2\sqrt{6})^2$

$A = 4.6$

$A = 24 m^2$

Resposta B

Altura do triângulo

$H = \frac{l\sqrt{3}}{2}$

$H = \frac{8\sqrt{3}}{2}$

$H = 4\sqrt{3}$

Diagonal do quadrado

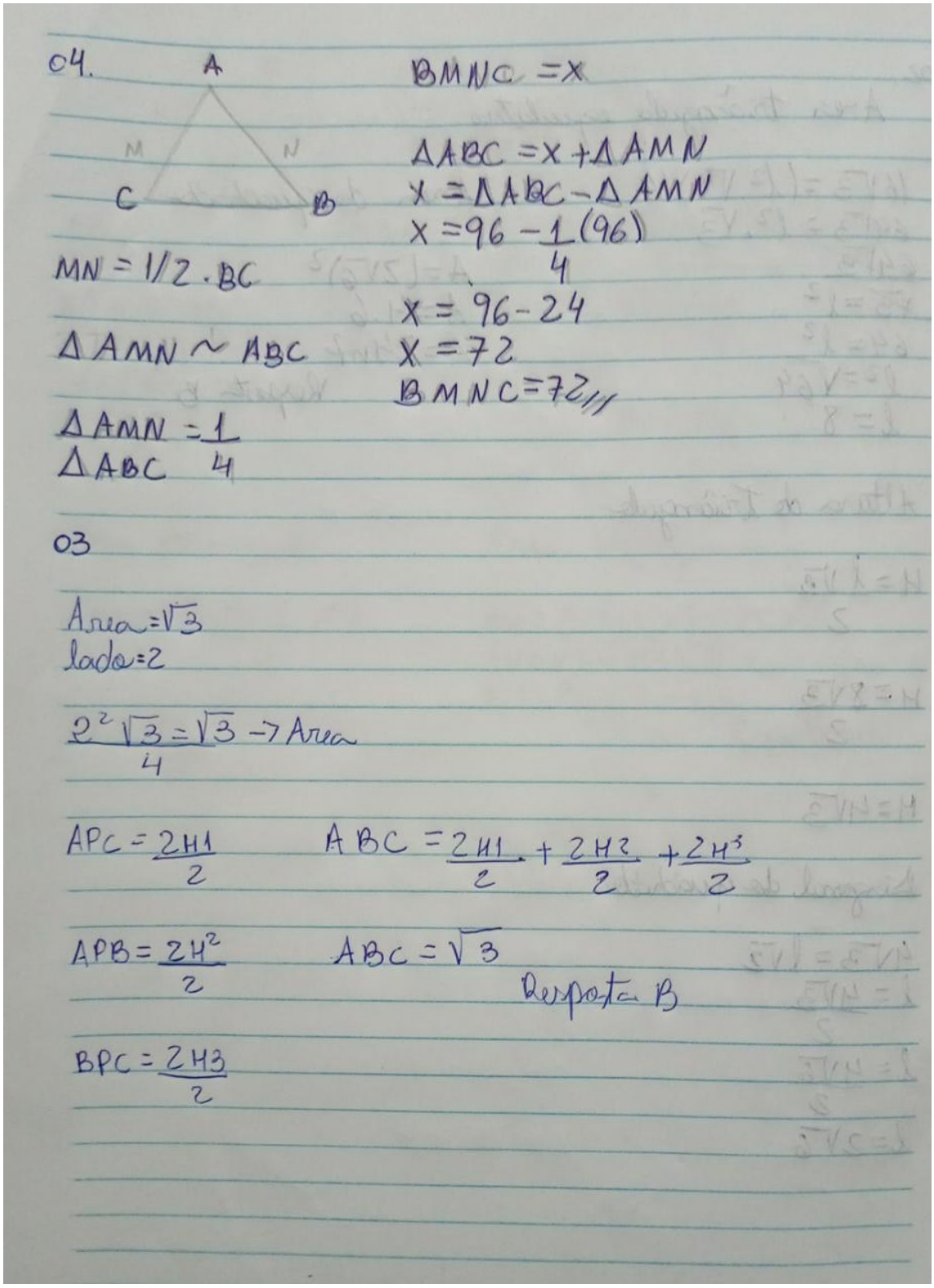
$4\sqrt{3} = l\sqrt{2}$

$l = \frac{4\sqrt{3}}{2}$

$l = \frac{4\sqrt{6}}{2}$

$l = 2\sqrt{6}$

Exercícios 3 e 4



04.

$MN = 1/2 \cdot BC$

$\Delta AMN \sim ABC$

$\frac{\Delta AMN}{\Delta ABC} = \frac{1}{4}$

$BMNC = x$

$\Delta ABC = x + \Delta AMN$

$x = \Delta ABC - \Delta AMN$

$x = 96 - \frac{1}{4}(96)$

$x = 96 - 24$

$x = 72$

$BMNC = 72$ //

03

Area $= \sqrt{3}$

lado $= 2$

$\frac{2^2\sqrt{3}}{4} = \sqrt{3} \rightarrow$ Area

$APC = \frac{2H1}{2}$

$APB = \frac{2H^2}{2}$

$BPC = \frac{2H3}{2}$

$ABC = \frac{2H1}{2} + \frac{2H2}{2} + \frac{2H^3}{2}$

$ABC = \sqrt{3}$

Resposta B

Exercício 5 e 6