

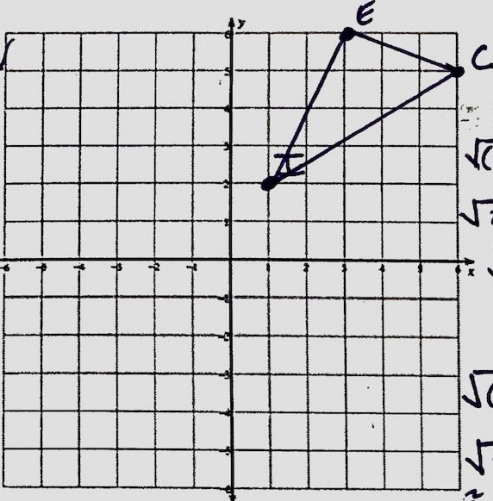
Find the perimeter of the given shape. Round to the nearest tenth.

AM $\sqrt{(-3-2)^2 + (0-5)^2}$
 $\sqrt{25+25} = \sqrt{50} \approx 7.07$

1. I(1, 2), C(6, 5), and E(3, 6)

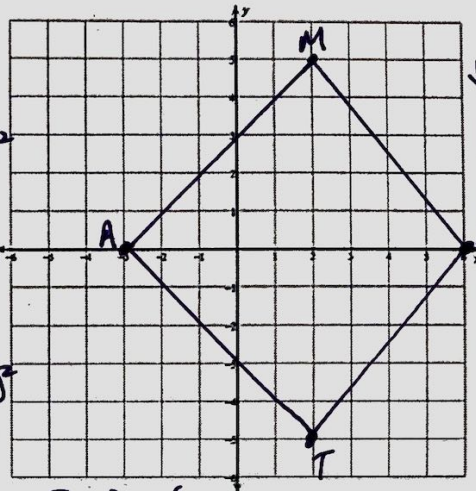
2. M(2, 5), A(-3, 0), T(2, -5), and H(6, 0)

Perimeter
 5.83
 3.16
 4.48
 13.47
13.5 units



IC
 $\sqrt{(6-1)^2 + (5-2)^2}$
 $\sqrt{25+9}$
 $\sqrt{34} \approx 5.83$

CE
 $\sqrt{(3-6)^2 + (6-5)^2}$
 $\sqrt{9+1} = \sqrt{10}$
 ≈ 3.16



MH
 $\sqrt{(6-2)^2 + (0-5)^2}$
 $\sqrt{16+25} = \sqrt{41} \approx 6.4$

HT
 $\sqrt{(6-2)^2 + (0-5)^2}$
 $\sqrt{16+25} = \sqrt{41} \approx 6.4$

AT
 $\sqrt{(2-(-3))^2 + (-5-0)^2}$
 $\sqrt{25+25} = \sqrt{50}$
 ≈ 7.07

Perimeter
 $7.07 + 7.07 + 6.4 + 6.4$
 $= 26.94 \approx \mathbf{26.9 \text{ units}}$

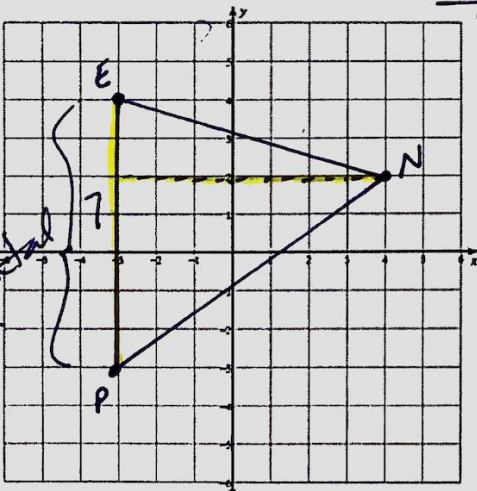
IE
 $\sqrt{(3-1)^2 + (6-2)^2} = \sqrt{4+16} = \sqrt{20} \approx 4.48$

Find the area of the given shape. Round to the nearest tenth.

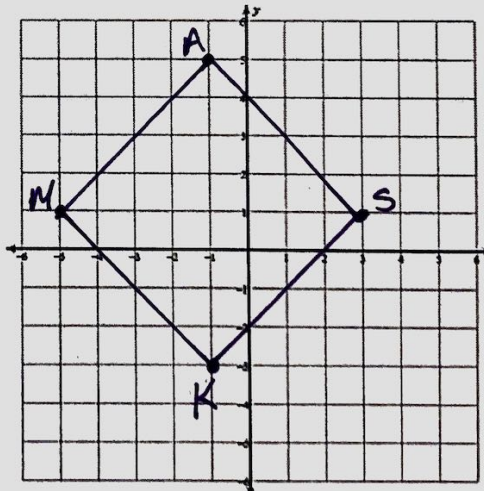
3. P(-3, -3), E(-3, 4), and N(4, 2) Triangle

4. M(-5, 1), A(-1, 5), S(3, 1), and K(-1, -3) Square

OK to count spaces if horizontal or vertical



Area of Δ : $\frac{1}{2}bh$
 Area = $\frac{1}{2}(7)(7)$
 $= \mathbf{24.5 \text{ units}^2}$



SA (3,1) (-1,5)
 $\sqrt{(-1-3)^2 + (5-1)^2}$
 $\sqrt{16+16} = \sqrt{32}$
 ≈ 5.66
 Area = L · w
 $= (5.66)(5.66)$
 $= \mathbf{32 \text{ units}^2}$

FORMULAS

$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

$A_{\text{triangle}} = \frac{1}{2}bh$

$A_{\text{rectangle}} = lw$

$A_{\text{square}} = s^2$