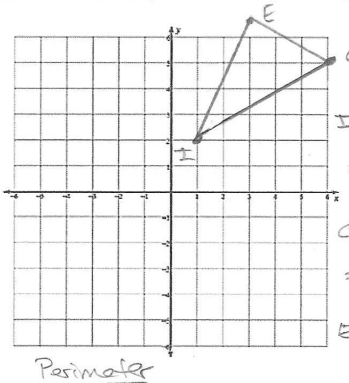
Key

PRACTICE WITH AREA AND PERIMETER!!

1.



$IC = \sqrt{(6-1)^2+(5-2)^2}$

$= \sqrt{25+9} = \sqrt{34} \approx 5.8$

$CE = \sqrt{(6-3)^2+(5-7)^2}$

$= \sqrt{9+4} = \sqrt{13} \approx 3.6$

$EI = \sqrt{(3-1)^2+(7-2)^2}$

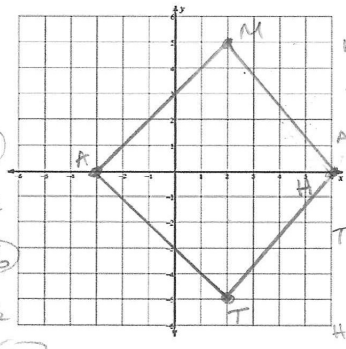
$\sqrt{4+25} = \sqrt{29} \approx 5.4$

Perimeter

$= 5.8 + 3.6 + 5.4$

$=$ 14.8 units

2.



$MA = \sqrt{(2-3)^2+(5-0)^2}$

$= \sqrt{25+25} = \sqrt{50} \approx 7.1$

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

$= \sqrt{25+25} = \sqrt{50} \approx 7.1$

$TH = \sqrt{(6-2)^2+(0-5)^2}$

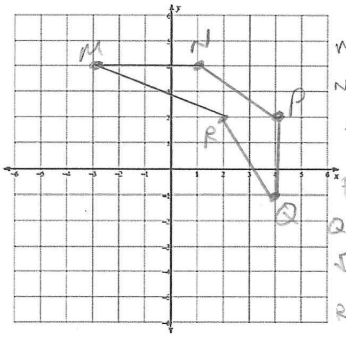
$= \sqrt{16+25} = \sqrt{41} \approx 6.4$

$HM = \sqrt{(6-2)^2+(0-5)^2}$

$= \sqrt{16+25} = \sqrt{41} \approx 6.4$

Perimeter = 27 units

3.



$MN = 4$

$NP = \sqrt{(4-1)^2+(2-4)^2}$

$= \sqrt{9+4} = \sqrt{13} \approx 3.6$

$PQ = 3$

$QR = \sqrt{(4-2)^2+(-1-2)^2}$

$\sqrt{4+9} = \sqrt{13} \approx 3.6$

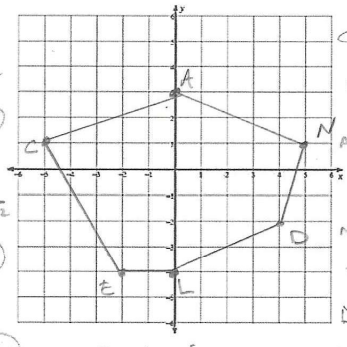
$RM = \sqrt{(-3-2)^2+(4-2)^2}$

$\sqrt{25+4} = \sqrt{29} \approx 5.4$

Perimeter

$=$ 19.6 units

4.



$CA = \sqrt{(0-5)^2+(3-1)^2}$

$= \sqrt{25+4} = \sqrt{29} \approx 5.4$

$AN = \sqrt{(5-0)^2+(1-3)^2}$

$= \sqrt{25+4} = \sqrt{29} \approx 5.4$

$ND = \sqrt{(4-5)^2+(-2-1)^2}$

$= \sqrt{1+9} = \sqrt{10} \approx 3.2$

$DL = \sqrt{(0-4)^2+(-4-2)^2}$

$= \sqrt{16+4} = \sqrt{20} \approx 4.5$

$EL = 2$

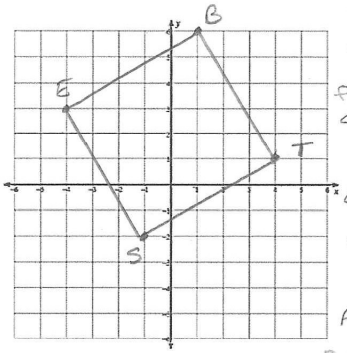
$CE = \sqrt{(-2-5)^2+(-4-1)^2}$

$= \sqrt{9+25} = \sqrt{34} \approx 5.8$

Perimeter

$=$ 26.3 units

5.



Square

Find distance of 1 side

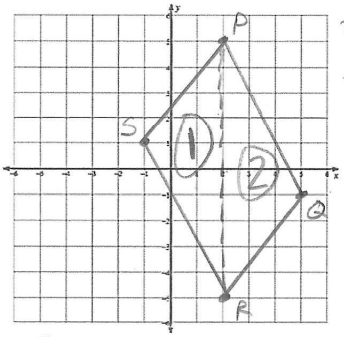
$d = \sqrt{(4-1)^2+(1-2)^2}$

$= \sqrt{25+9} = \sqrt{34}$

Area of square

$= s^2 = \sqrt{34}^2 =$ 34 units^2

6.



Parallelogram

Divide shape into 2 triangles.

Shape 1:

$\frac{1}{2}(10)(3) = 15$

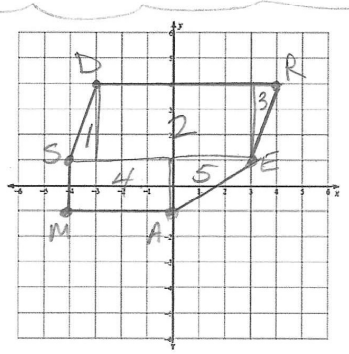
Shape 2:

$\frac{1}{2}(10)(3) = 15$

Area $= 15+15 =$ 30 units^2

Divide shapes into sectors to find area

7.



Shape 1: $\frac{1}{2}(1)(3) = 1.5$

Shape 2: $(6)(3) = 18$

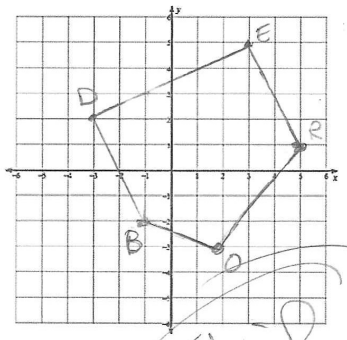
Shape 3: $\frac{1}{2}(1)(3) = 1.5$

Shape 4: $(4)(2) = 8$

Shape 5: $\frac{1}{2}(3)(2) = 3$

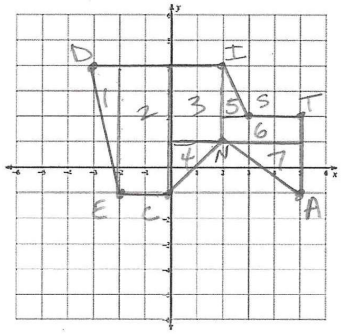
Area = 32 units^2

8.



Skip

9.



1: $\frac{1}{2}(1)(5) = 2.5$

2: $(2)(5) = 10$

3: $(2)(3) = 6$

4: $\frac{1}{2}(2)(2) = 2$

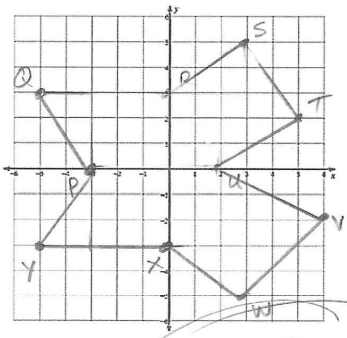
5: $\frac{1}{2}(1)(2) = 1$

6: $(1)(3) = 3$

7: $\frac{1}{2}(2)(3) = 3$

Area = 27.5 units^2

10.



Skip