

**1** Find the perimeter. Round to the nearest tenth.

D(0, 1), E(5, 4), and  
F(2, 6)

**3** Find the perimeter. Round to the nearest tenth.

M(-3, 4), N(1, 4), P(4, 2),  
Q(4, -1), and R(2, 2)

**5** Find the area. Round to the nearest tenth.

J(1, 6), K(-4, 3), L(-1, -2),  
and M(4, 1)

**2** Find the perimeter. Round to the nearest tenth.

P(2, 5), Q(-3, 0),  
R(2, -5), and S(6, 0)

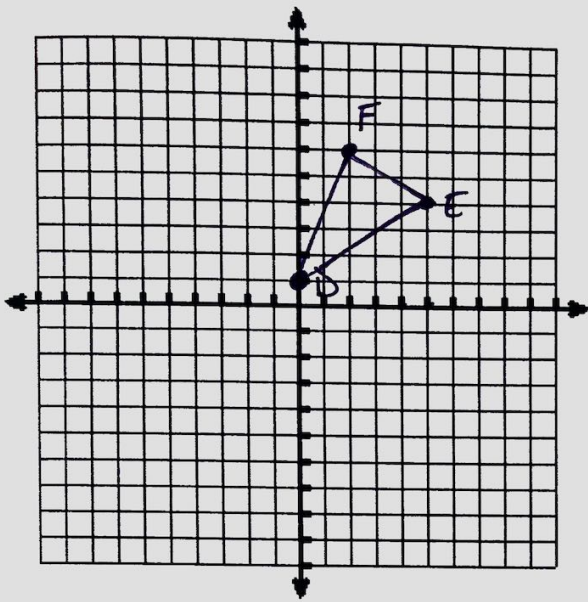
**4** Find the perimeter. Round to the nearest tenth.

A(-5, 1), B(0, 3), C(5, 1),  
D(4, -2), E(0, -4), and  
F(-2, -4)

**6** Find the area. Round to the nearest tenth.

P(2, 5), Q(5, -1),  
R(2, -5), and S(-1, 1)

①



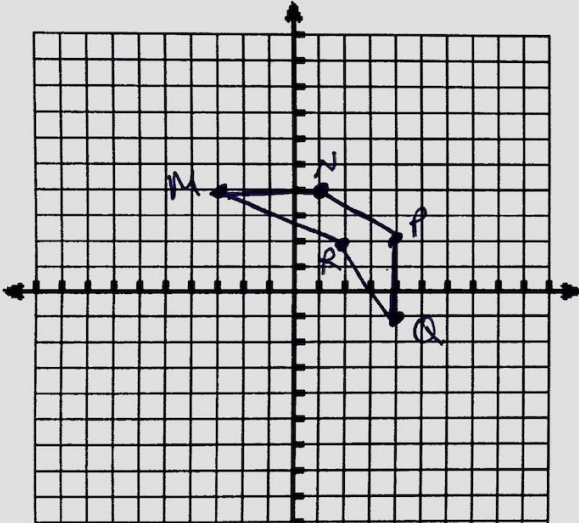
$$DE \sqrt{(5-0)^2 + (4-0)^2} = \sqrt{25+16} = \sqrt{41} = 6.4$$

$$FE \sqrt{(5-2)^2 + (4-6)^2} = \sqrt{9+4} = \sqrt{13} = 3.61$$

$$DF \sqrt{(2-0)^2 + (6-0)^2} = \sqrt{4+36} = \sqrt{40} = 6.32$$

$$\text{Perimeter: } 6.4 + 3.61 + 6.32 = \boxed{16.33 \text{ u}}$$

③



$$PQ \sqrt{(1-1)^2 + (1-(-1))^2} = \sqrt{0+4} = \sqrt{4} = 2$$

$$NP \sqrt{(1-(-1))^2 + (1-2)^2} = \sqrt{4+1} = \sqrt{5} = 2.24$$

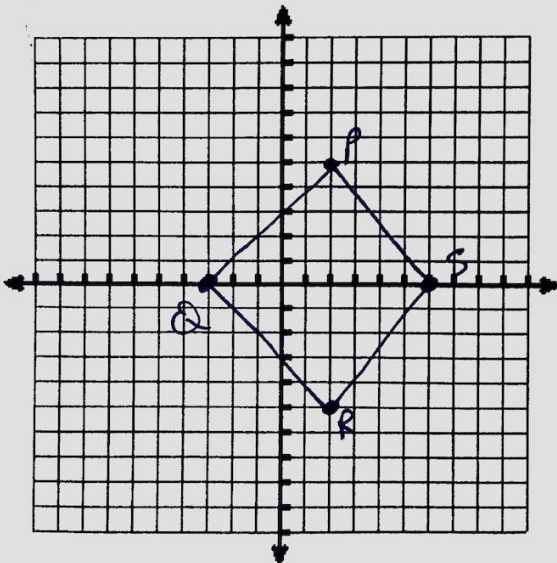
$$MN = 2$$

$$MR \sqrt{(-3-0)^2 + (2-1)^2} = \sqrt{9+1} = \sqrt{10} = 3.16$$

$$RQ \sqrt{(0-1)^2 + (1-(-1))^2} = \sqrt{1+4} = \sqrt{5} = 2.24$$

$$\text{Perimeter: } 2 + 2.24 + 2 + 3.16 + 2.24 = \boxed{11.84 \text{ u}}$$

②



$$PS \sqrt{(2-4)^2 + (3-3)^2} = \sqrt{4+0} = \sqrt{4} = 2$$

$$PQ \sqrt{(2-(-2))^2 + (3-3)^2} = \sqrt{16+0} = \sqrt{16} = 4$$

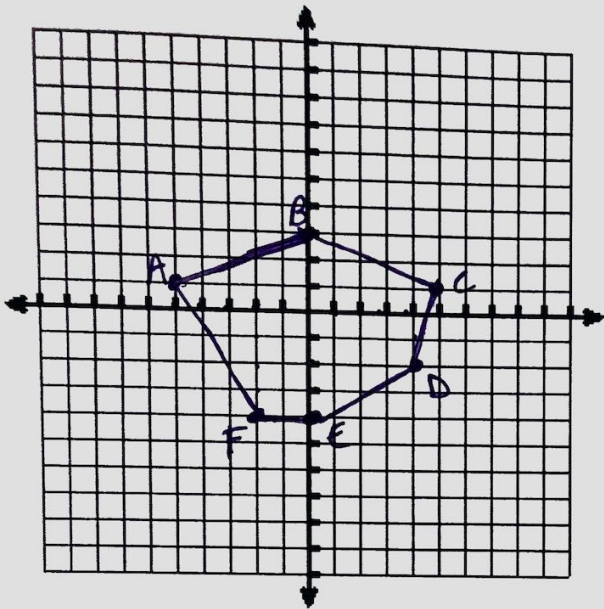
$$QR \sqrt{(2-0)^2 + (3-(-3))^2} = \sqrt{4+36} = \sqrt{40} = 6.32$$

$$RS \sqrt{(2-4)^2 + (3-3)^2} = \sqrt{4+0} = \sqrt{4} = 2$$

$$\text{Perimeter: } 2 + 4 + 6.32 + 2 = \boxed{14.64 \text{ u}}$$

$$= \boxed{26.9 \text{ u}}$$

4



$$AB \sqrt{(0-5)^2 + (3-1)^2} = \sqrt{25+4} = \sqrt{29} = 5.39$$

$$BC \sqrt{(5-0)^2 + (1-3)^2} = \sqrt{25+4} = \sqrt{29} = 5.39$$

$$CD \sqrt{(4-5)^2 + (-2-1)^2} = \sqrt{1+9} = \sqrt{10} = 3.16$$

$$DE \sqrt{(4-0)^2 + (-2-4)^2} = \sqrt{16+4} = \sqrt{20} = 4.47$$

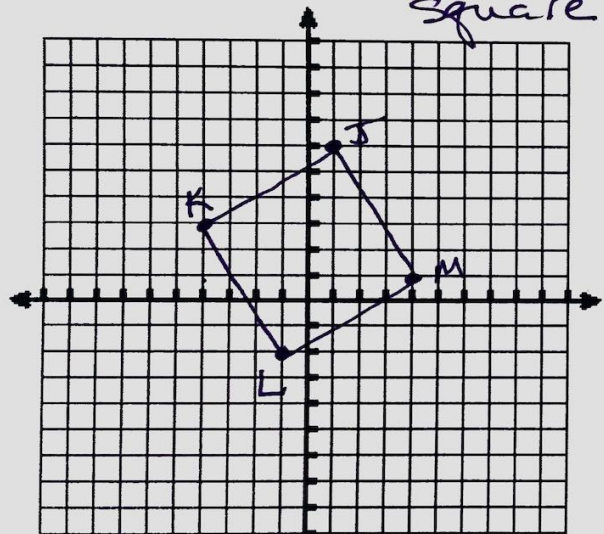
$$EF \ 2$$

$$FA \sqrt{(-5-2)^2 + (1-4)^2} = \sqrt{9+25} = \sqrt{34} = 5.83$$

$$\text{Perimeter: } 5.39 + 5.39 + 3.16 + 4.47 + 2 + 5.83 = 24.2 \text{ u}$$

5

square



$$JK \sqrt{(-4-1)^2 + (3-6)^2} = \sqrt{25+9} = \sqrt{34} = 5.83$$

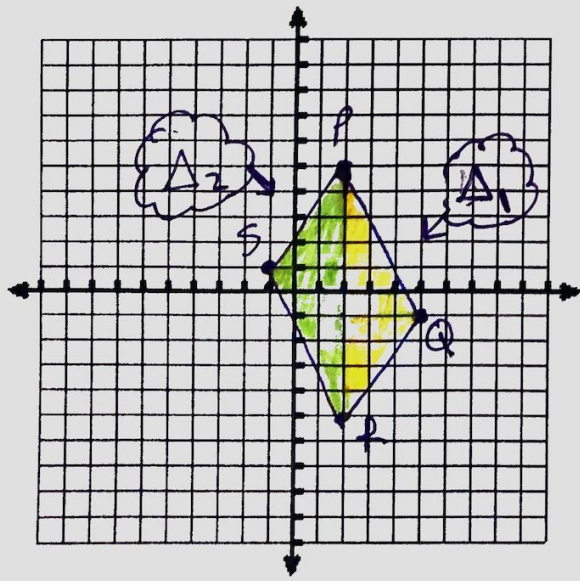
$$\text{Area} = \text{side}^2 = 5.83^2 = 34 \text{ u}^2$$

$$KL \sqrt{(-1-4)^2 + (-2-3)^2} = \sqrt{9+25} = 5.83$$

$$LM \sqrt{(-1-4)^2 + (-2-1)^2} = \sqrt{25+9} = 5.83$$

$$MJ \sqrt{(4-1)^2 + (1-6)^2} = \sqrt{9+25} = 5.83$$

6



$$\Delta_1 = \frac{1}{2}bh = \frac{1}{2} \cdot 10 \cdot 3 = 15$$

$$\Delta_2 = \frac{1}{2}bh = \frac{1}{2} \cdot 10 \cdot 3 = 15$$

$$\text{Area of } \Delta = 15 + 15 = 30 \text{ u}^2$$