

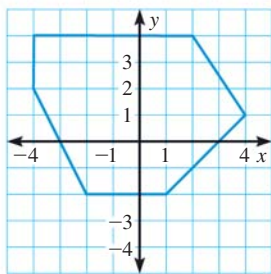
9 TAKS PRACTICE

PRACTICE FOR TAKS OBJECTIVE 7

1. Quadrilateral $WXYZ$ has vertices $W(4, 5)$, $X(6, 3)$, $Y(3, 0)$, and $Z(1, 2)$. What type of quadrilateral is $WXYZ$?

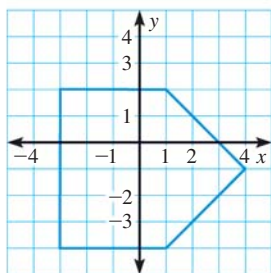
- A Square
- B Rhombus
- C Rectangle
- D Trapezoid

2. Which points are the vertices of the polygon?



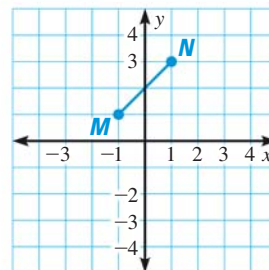
- F $(1, 4)$, $(-2, 2)$, $(-2, -2)$, $(2, -4)$, $(4, -4)$, and $(4, 2)$
- G $(2, 4)$, $(4, 1)$, $(1, -2)$, $(-2, -2)$, $(-4, 2)$, and $(-4, 4)$
- H $(3, 5)$, $(5, 2)$, $(2, -3)$, $(-3, -3)$, $(-5, 3)$, and $(-5, 5)$
- J $(4, 2)$, $(4, 4)$, $(-2, 4)$, $(-4, 1)$, $(-1, -2)$, and $(2, -2)$

3. How many lines of symmetry does the polygon have?



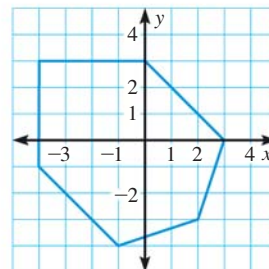
- A 0
- B 1
- C 2
- D 3

4. Rotate \overline{MN} 180° about the origin. In which quadrant is the image of point N ?



- F Quadrant I
- G Quadrant II
- H Quadrant III
- J Quadrant IV

5. What is an equation of a line of symmetry of the hexagon?



- A $y = -4x + 3$
- B $y = -x - 1$
- C $y = \frac{1}{7}x - \frac{3}{7}$
- D $y = 7x + 3$

MIXED TAKS PRACTICE

6. Which of the following is equivalent to $4(3 - x) - 3(2x^2 - 9x + 10)$? **TAKS Obj. 2**

- F $-19x + 22$
- G $-6x^2 + 23x - 18$
- H $17x - 18$
- J $6x^2 - 31x + 42$