Math 1 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**5-1 Translations Practice** Date\_\_\_\_\_\_\_\_\_\_

**1.** **Graph each figure and the image under the given translation. Name the new coordinates.**

**a.**  with vertices L(-3, -1),

I(-1, 4), and P(2, 2) under the translation .



**b.** Quadrilateral DUCK with vertices D(2,2), U(4, 1), C(3, -2), and K(0,-1) under the translation .

**c.**  with vertices R(-4, -1), S(-1, 3), and T(-1, 1)under the translation 

L’\_\_\_\_\_

I’\_\_\_\_\_

P’\_\_\_\_\_

D’\_\_\_\_\_

U’\_\_\_\_\_

C’\_\_\_\_\_

K’\_\_\_\_\_

R’\_\_\_\_\_

S’\_\_\_\_\_

T’\_\_\_\_\_

**d.** Quadrilateral BAND with vertices B(-3, -3), A(2, -3), N(5, 1), and D(1, 1) under the translation .

**e.** Pentagon MOUSE with vertices M(-1, -2), O(2, -1), U(5, -2), S(4, -4), and E(1, -4) under the translation .

**f.** Quadrilateral MATH with vertices M(4, 1), A(2, 4), T(0,6), and H(1,2) under the translation .



B’\_\_\_\_\_

A’\_\_\_\_\_

N’\_\_\_\_\_

D’\_\_\_\_\_

M’\_\_\_\_\_

O’\_\_\_\_\_

U’\_\_\_\_\_

S’\_\_\_\_\_

E’\_\_\_\_\_

M’\_\_\_\_\_

A’\_\_\_\_\_

T’\_\_\_\_\_

H’\_\_\_\_\_