# Transformation | Writing the Coordinates

Write the coordinates obtained after the given transformation.

1) 
K(5, 7), L(3, 7), M(3, 5), N(6, 4);  reflection across the line y = 2

K′: ( _____ )    L′: ( _____ )    M′: ( _____ )    N′: ( _____ )

2) 
Q(4, 8), P(4, 5), S(7, 5), T(7, 8); 180⁰ rotation about the origin

3) 

4) 

**Preview**

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5) 
P(8, −3), Q(6, −3), R(5, −7), S(8, −7);  180⁰ rotation about the origin

P′: ( _____ )    Q′: ( _____ )    R′: ( _____ )    S′: ( _____ )

6) 
D(−4, −5), E(0, −5), F(−1, −3), G(−3, −3);  translating 3 units left and 2 units down

D′: ( _____ )    E′: ( _____ )    F′: ( _____ )    G′: ( _____ )