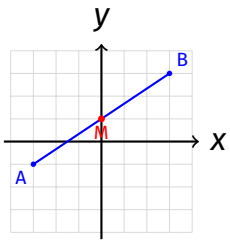
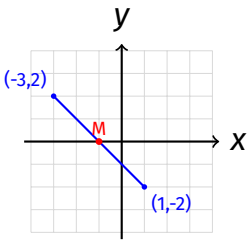
Build Tasks - Coordinates

Find the midpoint or gradient of a segment between two coordinates.



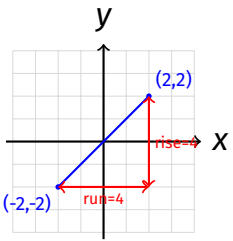
1. What is the midpoint of A(-3,-1) and B(3,3)?



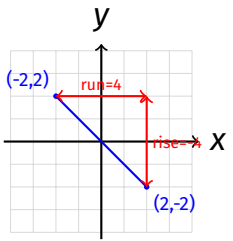
2. What is the midpoint of (-3,2) and (1,-2)?

Build Tasks - Coordinates

Find the midpoint or gradient of a segment between two coordinates.



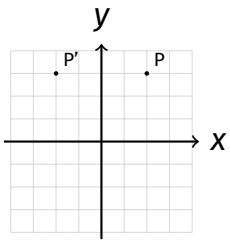
3. What is the gradient between (-2,-2) and (2,2)?



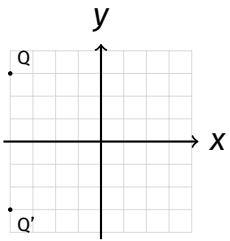
4. What is the gradient from (-2,2) to (2,-2)?

Build Tasks - Coordinates

Reflect or translate a point, and describe the transformation rule.



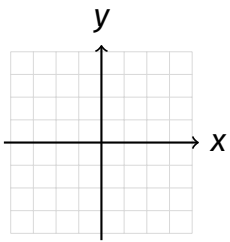
5. P=(2,3) is reflected in the y-axis. Find P'.



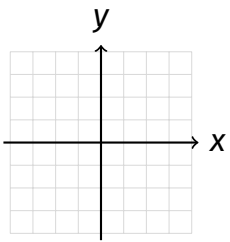
6. Q=(-4,3) is reflected in the x-axis. Find Q'.

Build Tasks - Coordinates

Reflect or translate a point, and describe the transformation rule.



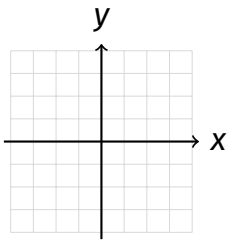
7. Plot triangle (1,1),(4,1),(4,3). Reflect it in the y-axis.



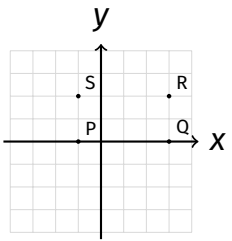
8. Translate (3,2) by 2 right and 1 down. New point?

Build Tasks - Coordinates

Apply coordinate reasoning to a shape or a reversed transformation.



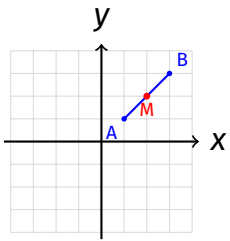
9. A point is translated 4 right and 3 down to land on (2,1). What was the original point?



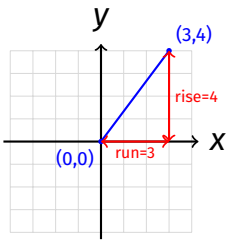
10. P,Q,R,S are four vertices. What shape do they form?

Build Tasks - Coordinates

Apply coordinate reasoning to a shape or a reversed transformation.



11. What is the midpoint of A(1,1) and B(3,3)?



12. Find the gradient of the line from (0,0) to (3,4) as a fraction.