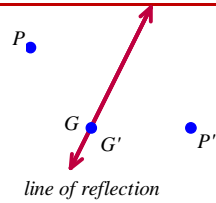
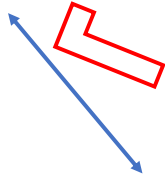


**Core Concept** Reflections

\_\_\_\_\_ are a type of \_\_\_\_\_ transformations. To do a reflection you need a \_\_\_\_\_ also called the \_\_\_\_\_



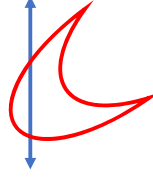
**Ex 1:** Use tracing paper to help find the reflection image.



**Ex 2:** Use tracing paper to help find the reflection image.



**Ex 3:** Use tracing paper to help find the reflection image.



**Ex 4: Reflection**

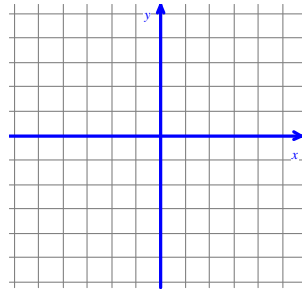
$\triangle UVW$  such that  $U(2,-1)$   $V(4,-3)$   $W(5,1)$

**Line of reflection:**  $y$ -axis

**Coordinate Rule:**  $(x, y) \rightarrow ( \quad )$

Use tables to organize your work:

preimage			Image		
	$x$	$y$			
$U$			$U'$		
$V$			$V'$		
$W$			$W'$		



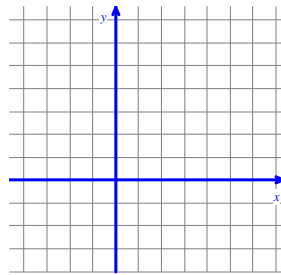
**Ex 5: Reflection**

$\triangle UVW$  such that  $U(2,-1)$   $V(4,-3)$   $W(5,1)$

**Line of reflection:**  $y = 2$

**Coordinate Rule:** Optional challenge ☺

preimage			Image		
	$x$	$y$			
$U$			$U'$		
$V$			$V'$		
$W$			$W'$		



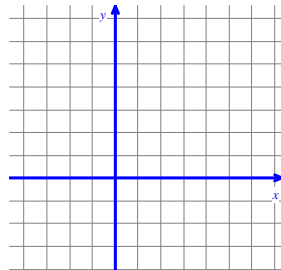
**Ex 6: Reflection**

$\triangle UVW$  such that  $U(2,-1)$   $V(4,-3)$   $W(5,1)$

**Line of reflection:**  $y = x$

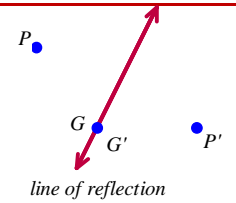
**Coordinate Rule:**  $(x, y) \rightarrow ( \quad )$

preimage			Image		
	$x$	$y$			
$U$			$U'$		
$V$			$V'$		
$W$			$W'$		

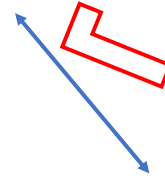


**Core Concept** Reflections

\_\_\_\_\_ are a type of \_\_\_\_\_ transformations. To do a reflection you need a \_\_\_\_\_ also called the \_\_\_\_\_



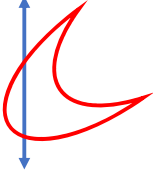
**Ex 1:** Use tracing paper to help find the reflection image.



**Ex 2:** Use tracing paper to help find the reflection image.



**Ex 3:** Use tracing paper to help find the reflection image.



**Ex 4: Reflection**

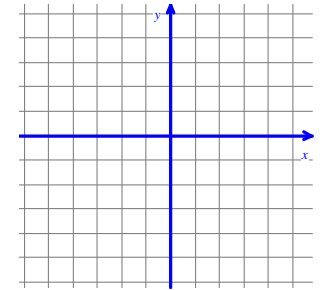
$\triangle UVW$  such that  $U(2,-1)$   $V(4,-3)$   $W(5,1)$

**Line of reflection:**  $y$ -axis

**Coordinate Rule:**  $(x, y) \rightarrow ( \quad )$

Use tables to organize your work:

preimage			Image		
	$x$	$y$			
$U$			$U'$		
$V$			$V'$		
$W$			$W'$		



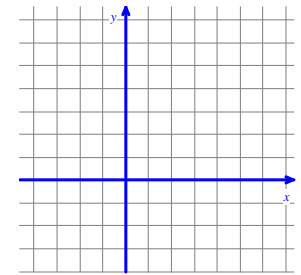
**Ex 5: Reflection**

$\triangle UVW$  such that  $U(2,-1)$   $V(4,-3)$   $W(5,1)$

**Line of reflection:**  $y = 2$

**Coordinate Rule:** Optional challenge ☺

preimage			Image		
	$x$	$y$			
$U$			$U'$		
$V$			$V'$		
$W$			$W'$		



**Ex 6: Reflection**

$\triangle UVW$  such that  $U(2,-1)$   $V(4,-3)$   $W(5,1)$

**Line of reflection:**  $y = x$

**Coordinate Rule:**  $(x, y) \rightarrow ( \quad )$

preimage			Image		
	$x$	$y$			
$U$			$U'$		
$V$			$V'$		
$W$			$W'$		

