DO NOW

The diagram at the right shows a rotation centered at point P.
Find the values of x, y and w.

$3w + 3 = 12$

$3w = 9$

$\boxed{w = 3}$
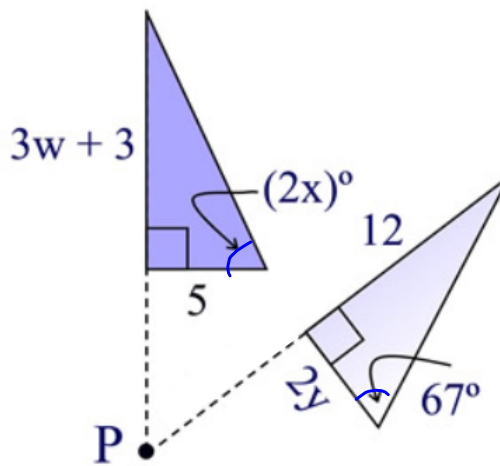
$2y = 5$

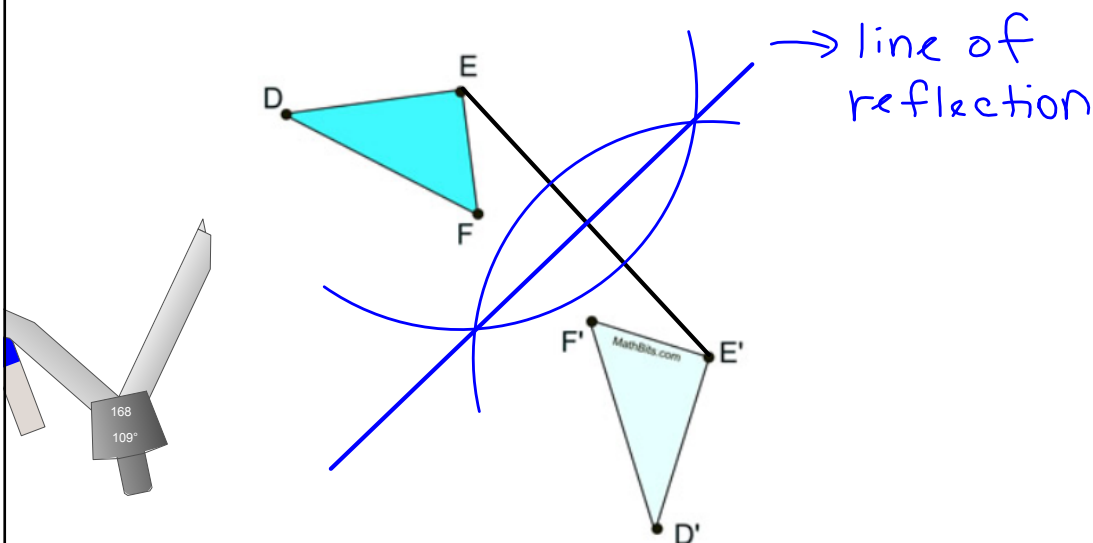$\boxed{y = \dfrac{5}{2}}$

$2x = 67$

$x = \dfrac{67}{2}$

$\boxed{x = 33.5°}$

$3w + 3$

$(2x)°$

12

5

$2y$

$67°$

P

Oct 17-10:10 AM

Given a figure and its reflection, **construct** the line of reflection

Connect any vertex of ΔDEF to its image (E to E'). Construct the
perpendicular bisector of the segment formed. Done.

$\rightarrow$ line of reflection

E

D

F

F'

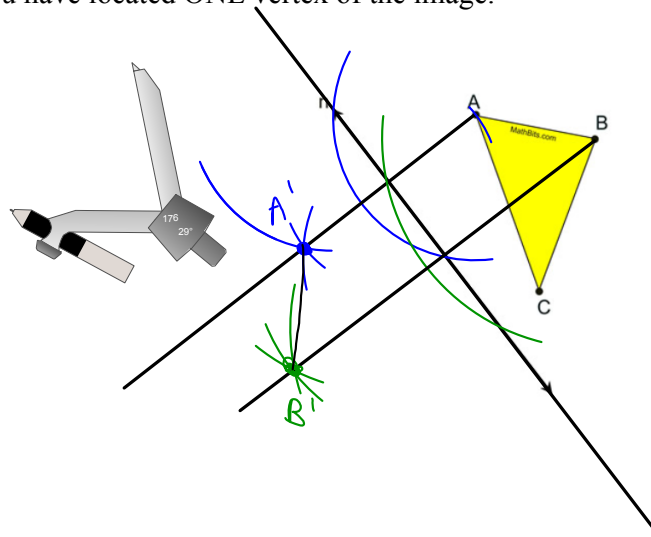MathBits.com

E'

D'

168
109°

Oct 19-1:02 PM

1

Given a figure and line of reflection, **construct** the reflected image

Choose a starting vertex (A). Construct a perpendicular from A to the line of reflection. Measure the length from A to the intersection point. Copy this length on the perpendicular bisector starting at the intersection point to find A'.

You have located ONE vertex of the image.

Oct 19-1:03 PM