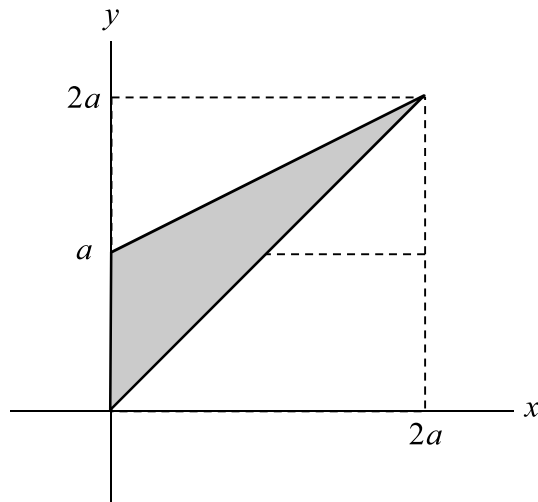


**Homework H14.A**

**Given:** The shaded area in the figure.

**Find:** Using integration methods, determine the area, and the  $x$ - and  $y$ -components for the location of the centroid of the area. Leave you answers in terms of  $a$ .



**Homework H14.B**

**Given:** The area in the figure.

**Find:** Using integration methods, determine the area, and the  $x$ - and  $y$ -components for the location of the centroid of the area.. Leave you answers in terms of  $a$ .

**Fig. PH14B.M270**

