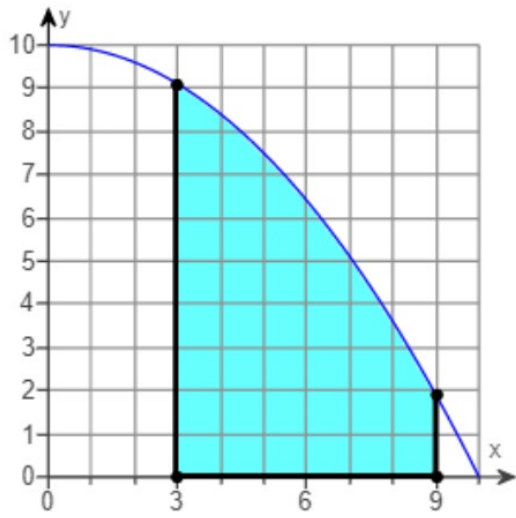


1. Find the area between  $y = 10 - 0.1x^2$  and the x-axis.



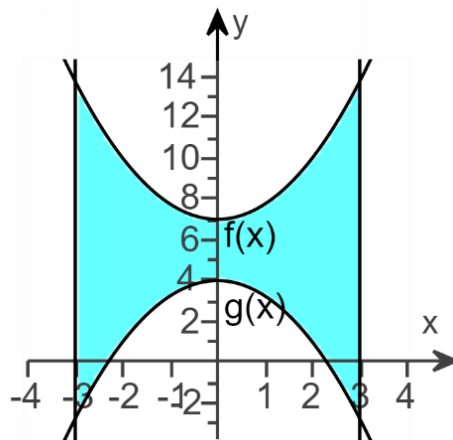
2. Find the area between

$$y = 0.75x^2 + 7$$

$$y = -0.75x^2 + 4$$

$$x = -3$$

$$x = 3$$



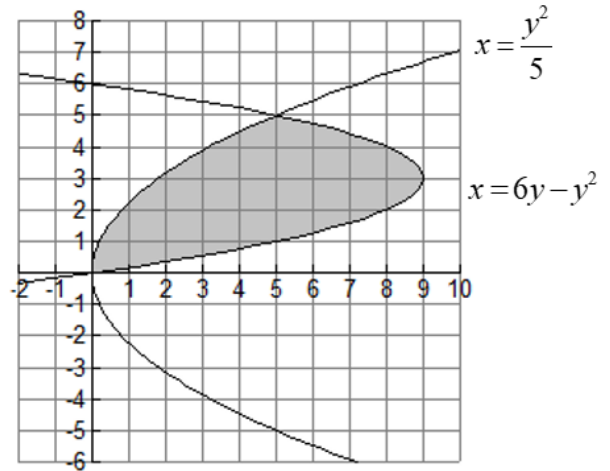
3. The shaded area is bounded by the graphs of  $x = 6y - y^2$  and  $x = \frac{y^2}{5}$ .

The curves intersect at the origin and (5,5).

- a. Set up the integral to represent the area.

- b. Use the FNINT to evaluate the integral.

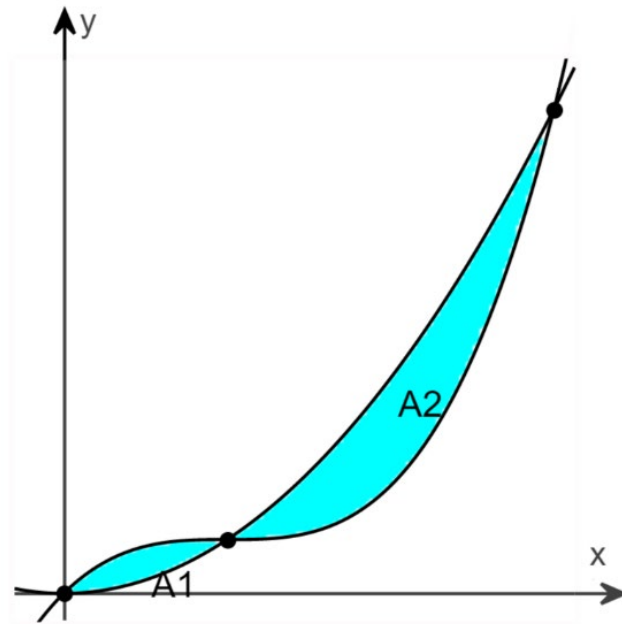
Area = \_\_\_\_\_



4. Find the area between

$$y = 3x^3 - 18x^2 + 36x$$

$$y = 6x^2$$



5. Find the area shown

