

The density  $d$  of an object is found by dividing the mass  $m$  of the object by its volume  $V$ . Which of the following equations gives the mass  $m$  in terms of  $d$  and  $V$  ?

A)  $m = dV$

B)  $m = \frac{d}{V}$

C)  $m = \frac{V}{d}$

D)  $m = V + d$

$$\begin{aligned}\frac{1}{2}y &= 4 \\ x - \frac{1}{2}y &= 2\end{aligned}$$

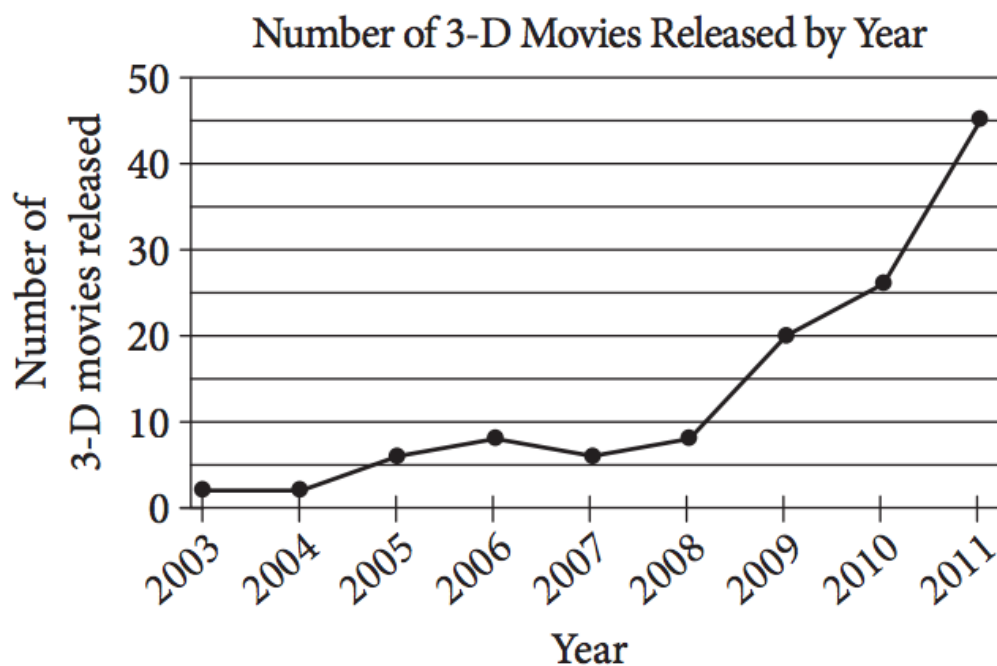
The system of equations above has solution  $(x, y)$ .  
What is the value of  $x$  ?

A) 3

B)  $\frac{7}{2}$

C) 4

D) 6



According to the line graph above, between which two consecutive years was there the greatest change in the number of 3-D movies released?

- A) 2003–2004
- B) 2008–2009
- C) 2009–2010
- D) 2010–2011