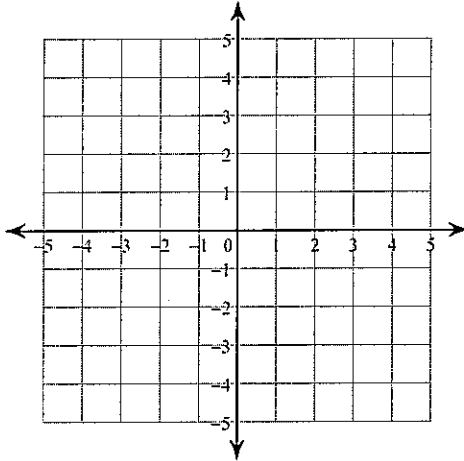


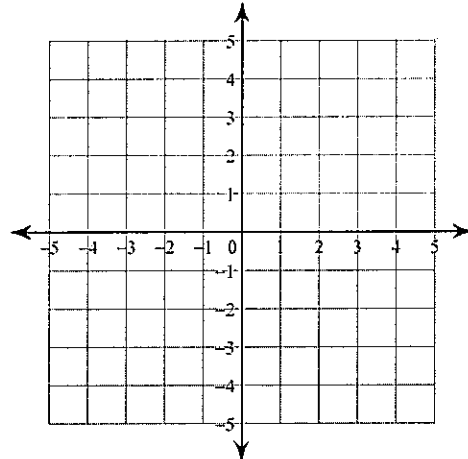
Solving Systems of Linear Equations

Solve each system by graphing.

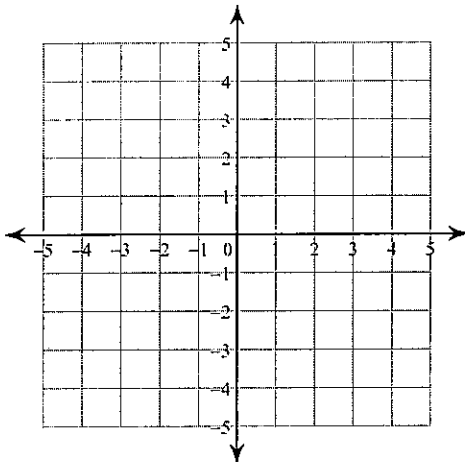
$$1) \begin{aligned} y &= -2x - 4 \\ y &= 5x + 3 \end{aligned}$$



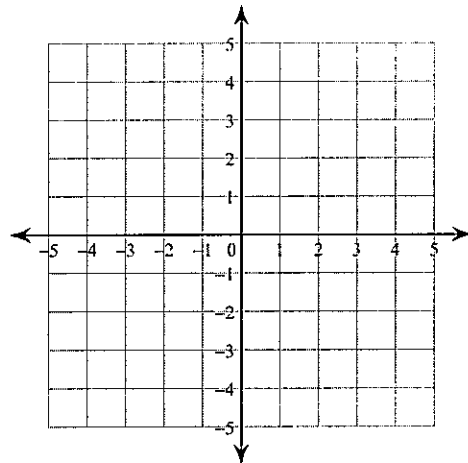
$$2) \begin{aligned} y &= -\frac{1}{4}x - 4 \\ y &= \frac{1}{2}x - 1 \end{aligned}$$



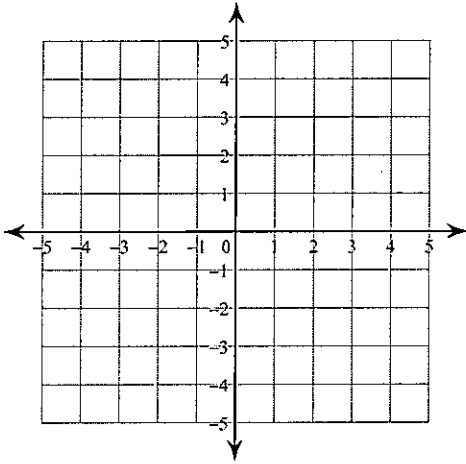
$$3) \begin{aligned} -4 - 2x &= -2y \\ 4 &= y + x \end{aligned}$$



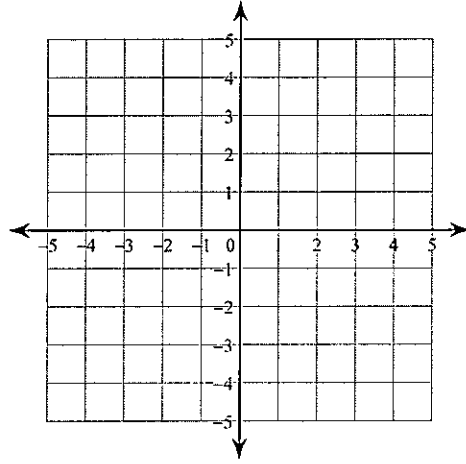
$$4) \begin{aligned} 6 - 2y &= 7x \\ -6 - x &= 2y \end{aligned}$$



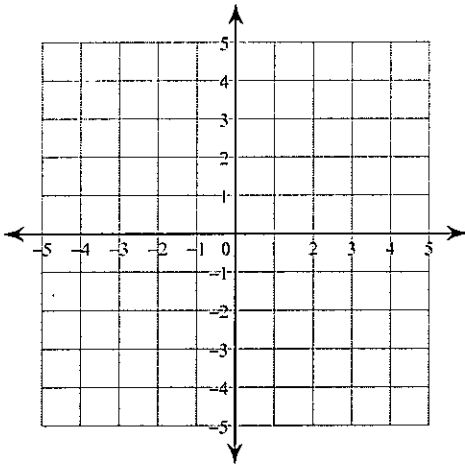
5) $-y - 3 = x$
 $y - 2 = 4x$



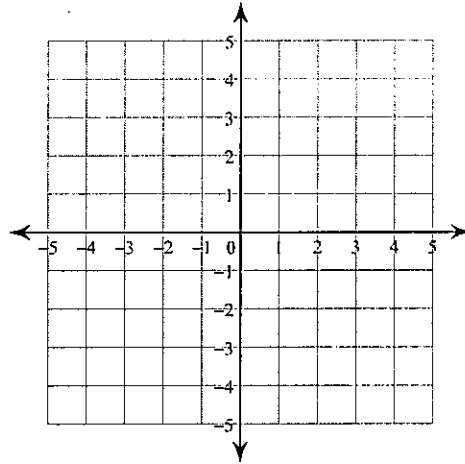
6) $x + 4 = -y$
 $0 = x - y + 2$



7) $4y - 12 = -2x$
 $2y - 2 + 3x = 0$

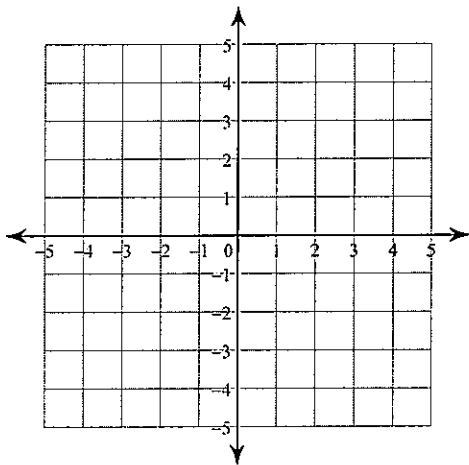


8) $0 = 4 - y - x$
 $2x - y = 2$



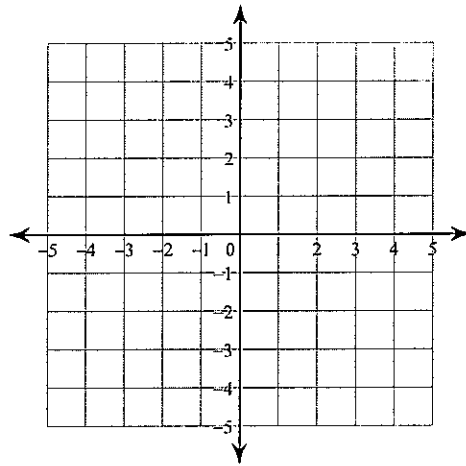
$$9) 0 = -4 + y - \frac{5}{3}x$$

$$0 = -3y - 9 - 2x$$



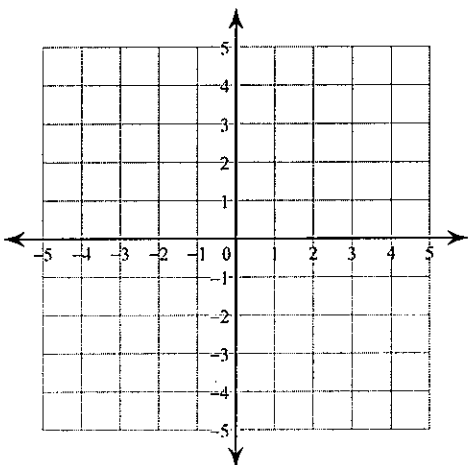
$$10) 14x = 6y - 18$$

$$2x - 6 = 3y$$



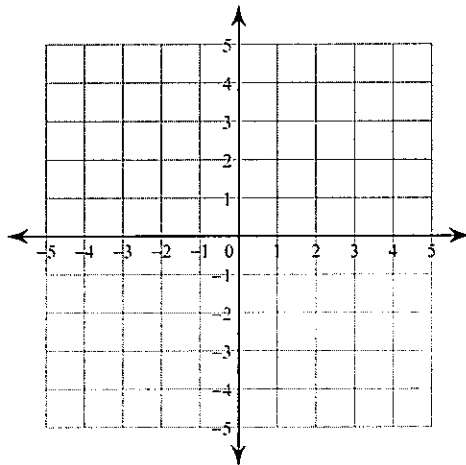
$$11) 2x + y + 3 = 0$$

$$1 + y = 0$$



$$12) -3x = -24 + 6y$$

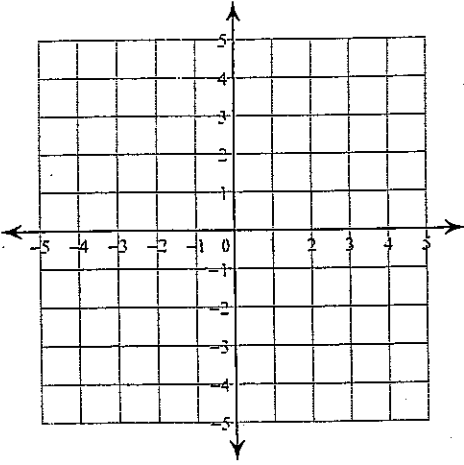
$$4y = -8 + 10x$$



Multiple choice problem - choose the correct solution. Solve each system by graphing.

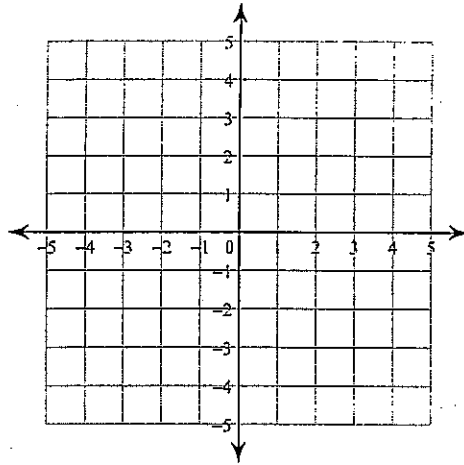
13) $x = y + 4$
 $6x + y = 3$

- A) $(-5, 1)$ B) $(-3, -1)$
C) $(1, -3)$ D) $(-1, -3)$



14) $-4 - y - 4x = 0$
 $-2y = x - 6$

- A) $(-2, -4)$ B) $(2, -4)$
C) $(-2, 5)$ D) $(-2, 4)$



Find each product.

15) $\left(-\frac{9}{8}\right)\left(\frac{7}{6}\right)$

16) $\left(-\frac{1}{3}\right)\left(-\frac{1}{2}\right)$

17) $(-2)\left(-\frac{3}{2}\right)$

18) $(-2)\left(\frac{11}{9}\right)$

19) $\left(-\frac{3}{2}\right)\left(-\frac{10}{9}\right)$

20) $\left(-\frac{7}{9}\right)\left(-\frac{7}{4}\right)$

21) $\left(\frac{3}{4}\right)\left(-\frac{2}{5}\right)$

22) $\left(\frac{7}{4}\right)\left(-\frac{4}{3}\right)$

23) $\left(-\frac{3}{7}\right)\left(\frac{1}{6}\right)$

24) $\left(\frac{10}{7}\right)\left(-\frac{1}{4}\right)$