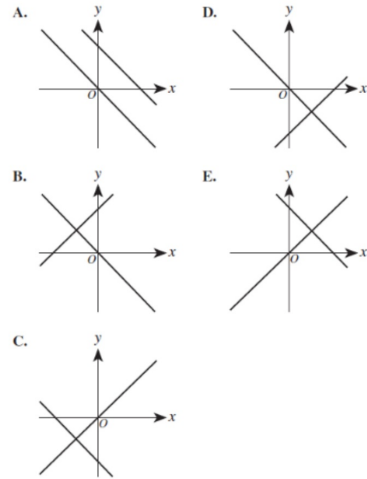


15. Which graph best presents the following system of equations and its solution?

$$\begin{aligned}x + y &= 4 \\x - y &= 0\end{aligned}$$



18. If $f(x) = 2x + 7$, $g(x) = 3x - 5$, and $h(x) = 2x + 6$, then $h(x) + [f(x) \cdot g(x)] - 6 = ?$

- F. $7x + 2$
 G. $7x + 8$
 H. $6x^2 + 13x - 29$
 J. $6x^2 + 13x - 35$
 K. $12x^2 - 5x - 143$

22. If the range of $f(x) = x^2 + 4$ is all real numbers from 13 to 29, what positive numbers lie in the domain of $f(x)$?

- F. $3 \leq x \leq 5$
 G. $5 \leq x \leq 21$
 H. $9 \leq x \leq 25$
 J. $13 \leq x \leq 29$
 K. $173 \leq x \leq 845$

35. If $f(x) = \frac{5x+2}{3}$, what is the y-intercept of the graph of

$$f^{-1}(x) ?$$

- A. $-\frac{3}{2}$
 B. $-\frac{2}{5}$
 C. $\frac{3}{5}$
 D. $\frac{2}{3}$
 E. $\frac{3}{2}$