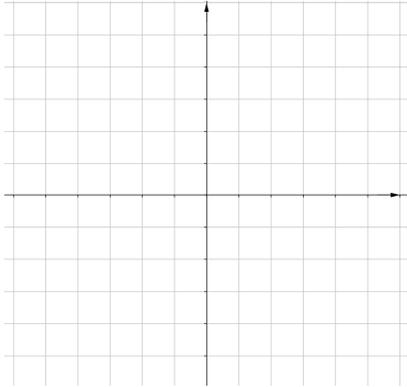


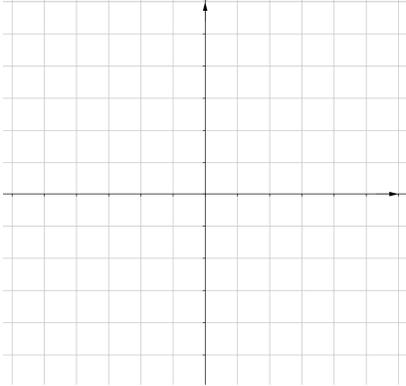
GRAPH A LINEAR FUNCTION OF THE FORM $y = mx + b$

➤ Graph

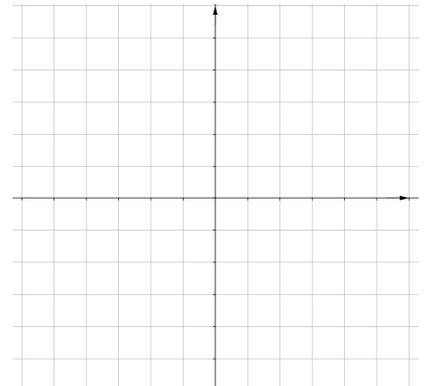
1) $y = 3$



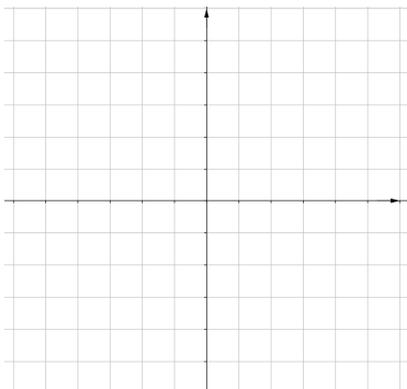
2) $x = -3$



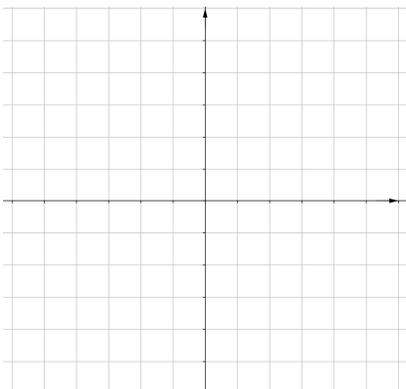
3) $y = x$



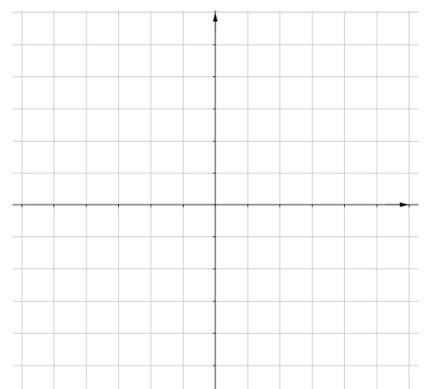
4) $y = \frac{2}{3}x$



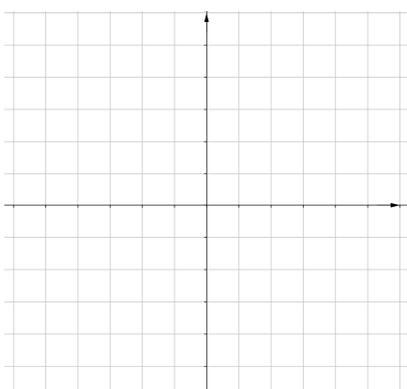
5) $y = -2x$



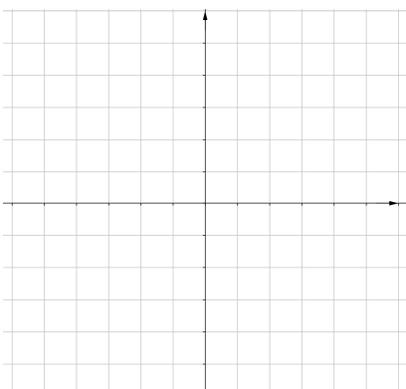
6) $y = \frac{2}{3}x - 4$



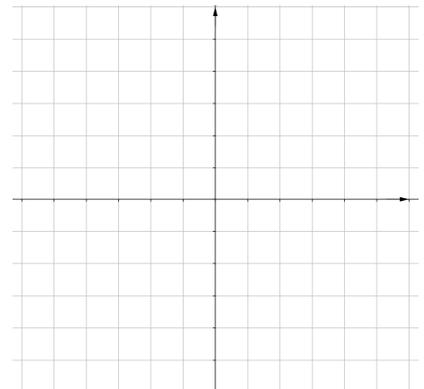
7) $y = -\frac{1}{3}x + 2$



8) $y = -1 + \frac{3}{5}x$



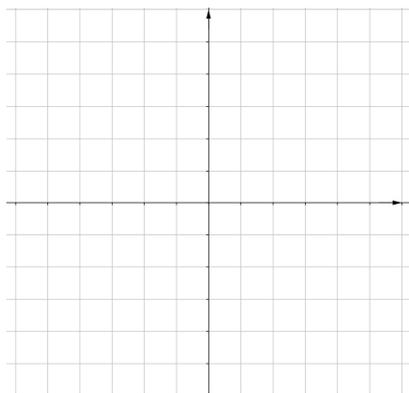
9) $y = 2 - 0.5x$



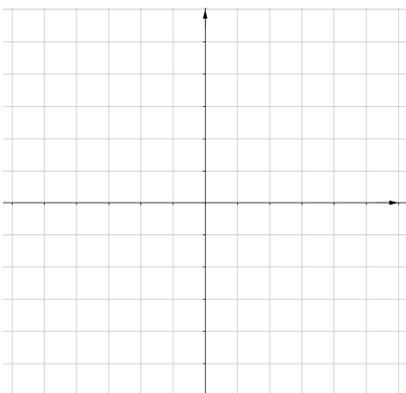
GRAPH AN EQUATION OF THE FORM $Ax + By = C$

➤ Graph

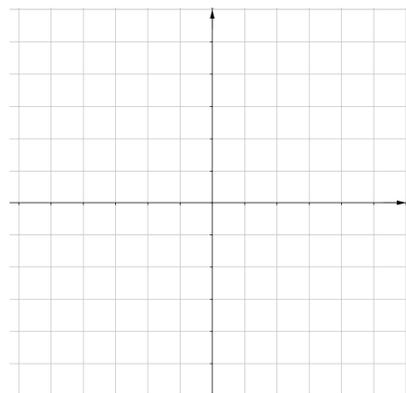
10) $2x - y = 3$



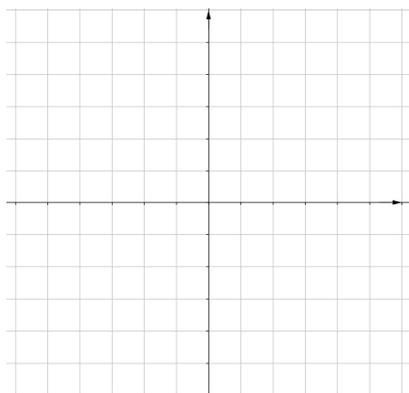
11) $2x + y = -3$



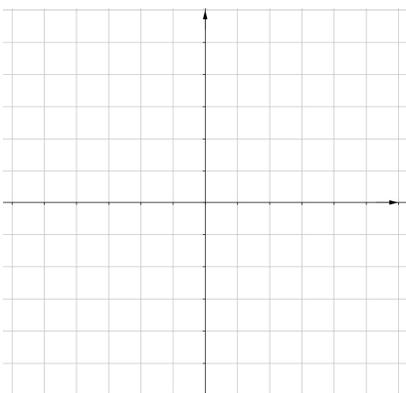
12) $x - 4y = 8$



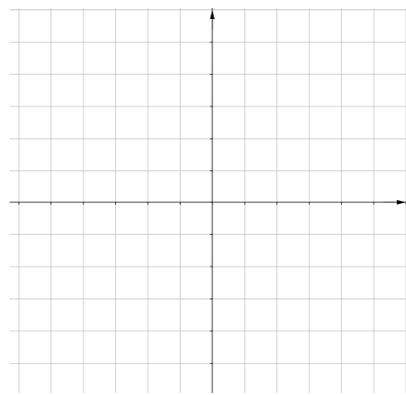
13) $x - 3y = 0$



14) $-3x - 2y = 6$



15) $\frac{1}{2}x + \frac{1}{2}y = 5$



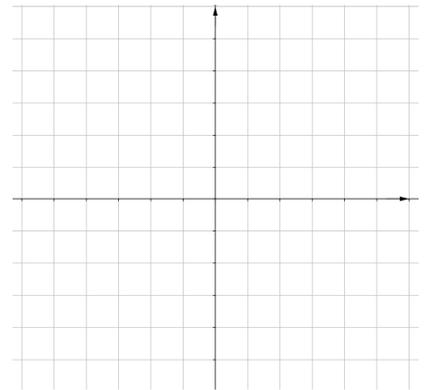
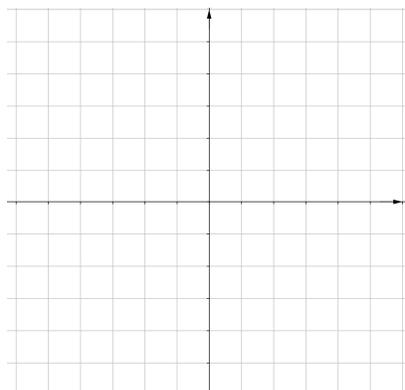
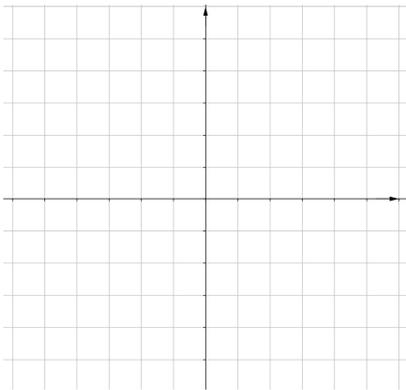
GRAPH AN EQUATION USING THE X AND Y INTERCEPTS

➤ Graph by finding the x and y intercepts (use only these two points to graph).

16) $y = 3x$

17) $y = \frac{1}{4}x - 4$

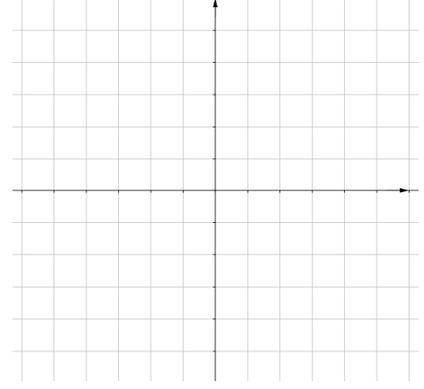
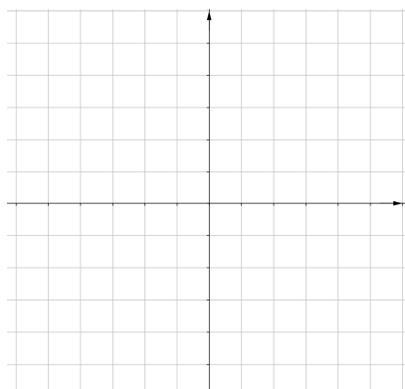
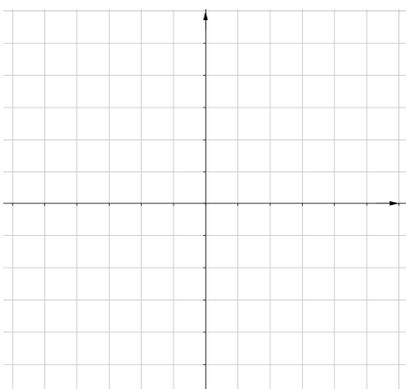
18) $4x - 3y = 6$



19) $y = -\frac{1}{2}x$

20) $y = -\frac{3}{2}x + \frac{1}{2}$

21) $0.5x - 0.25y = 1.25$

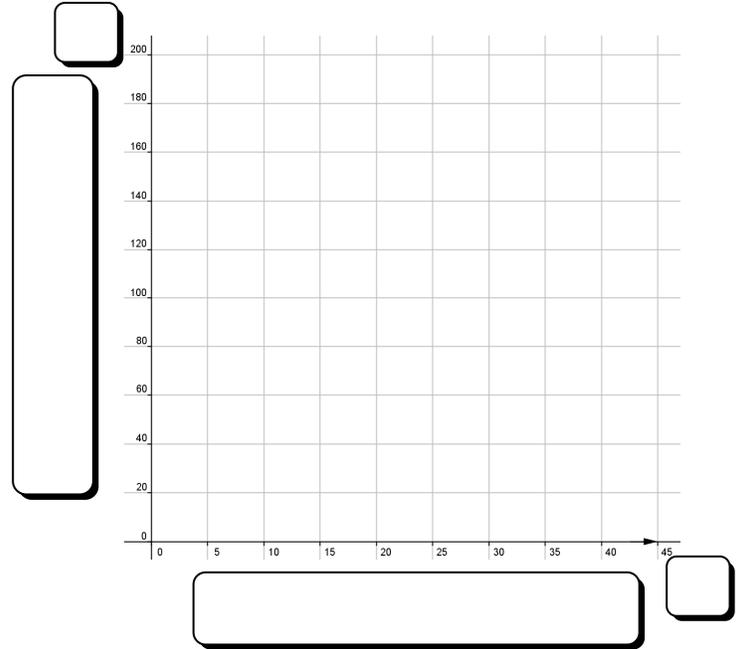


APPLICATIONS

➤ **Solve.**

22) A student receives \$5 per hour for part-time work at an electronics store. The equation that describes the wages, W (in dollars), for the student is $W = 5t$, where t is the number of hours worked. Use the coordinate axes at the bottom right to label and graph this equation for $0 \leq t \leq 40$. The point $(30, 150)$ is on the graph. Write a sentence that describes the meaning of this ordered pair.

Meaning of point $(30, 150)$: _____



23) The cost of manufacturing compact disks is \$4000 for startup and \$2 per disk. The equation that describes the cost, C (in dollars), of manufacturing n compact disks is $C = 2n + 4000$. Use the coordinate axes at the bottom right to label and graph this equation for $0 \leq n \leq 10,000$. The point $(2000, 8000)$ is on the graph. Write a sentence that describes the meaning of this ordered pair.

Meaning of point $(2000, 8000)$: _____

