

Ready, Set, Go!



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Ready

Topic: Evaluating Expressions

Evaluate the following expressions for $a = -3$, $b = 2$, $c = 5$, and $d = -4$.

1. $2a + 3b$

2. $4c + d$

3. $5ac - 2b$

4. $\frac{2a}{c-d}$

5. $\frac{3b}{d}$

6. $\frac{a-4b}{3c+2d}$

The equation $c = 2000 + 3r$ represents the cost in dollars (c) of producing remote controls (r).

7. What is the cost of producing 1000 remote controls?

8. What is the cost of producing 2000 remote controls?

9. What is the cost of producing 2500 remote controls?



Set*Solve each equation, justifying each step you use.*

10.

$3x = 15$	Justification

11.

$x - 10 = 2$	Justification

12.

$-16 = x + 11$	Justification

13.

$6 - x = 10$	Justification

14.

$6x + 3 = 15$	Justification

15.

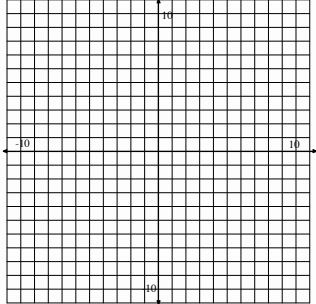
$3x - 10 = 2$	Justification



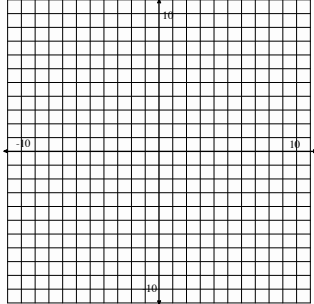
Go

Graph the following equations on the provided coordinate grids.

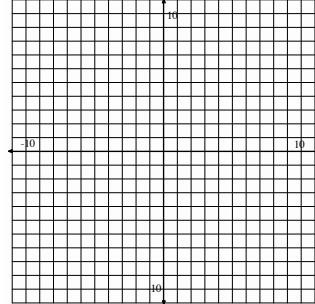
16. $y = -\frac{3}{5}x + 7$



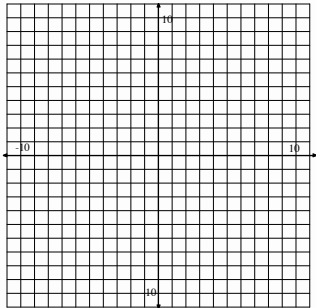
17. $y = -2x + 1$



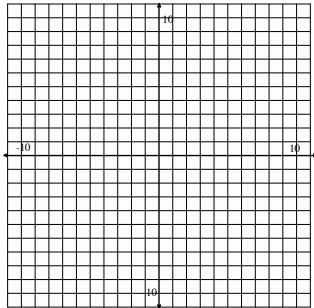
18. $y = \frac{5}{8}x + 1$



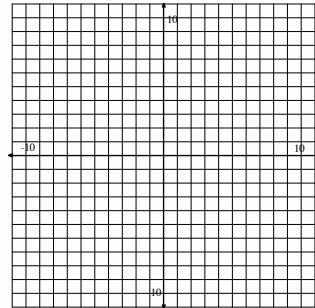
19. $y = \frac{6}{7}x$



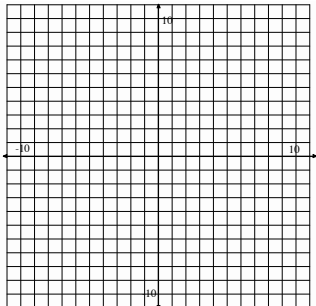
20. $y = x - 3$



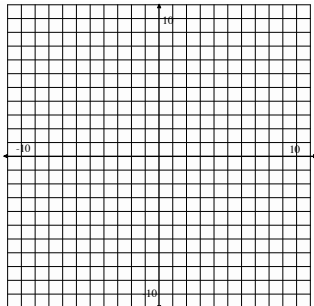
21. $y = 4x$



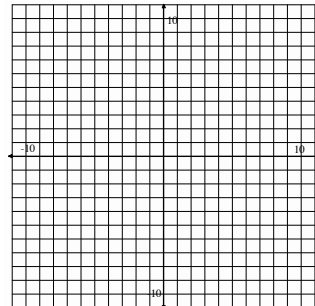
22. $y = -x - 6$



23. $y = 3x + 2$



24. $y = x$



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