

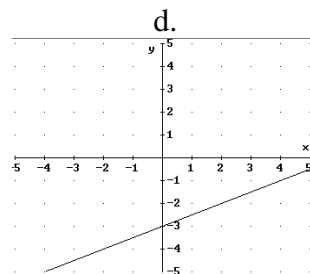
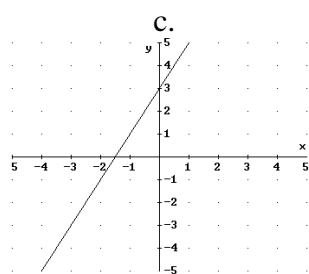
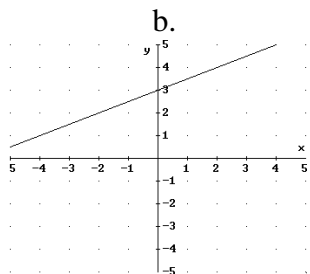
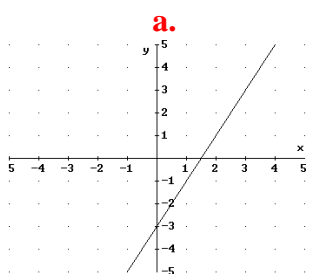
6) Using standard order of operations, compute $2 - 5(2 - 4)^2 + 8 \div 2$.

- a. -14
- b. -8
- c. -2
- d. 16
- e. 26
- f. I don't know

7) If $x = -3$ and $y = 4$, find the value of $5y - 4x^2$.

- a. -124
- b. -16
- c. 8
- d. 56
- e. 64
- f. I don't know

8) Graph the line $y = 2x - 3$.



- e. None of these
- f. I don't know

9) Find the slope of the line containing the points $(-4, 5)$ and $(1, 0)$.

- a. -5
- b. -1
- c. 0
- d. $-\frac{3}{5}$
- e. $-\frac{5}{3}$
- f. I don't know

10) Solve the equation $A = BC + D$ for B .

- a. $B = A - D - C$
- b. $B = (A - D)C$
- c. $B = \frac{A - D}{C}$
- d. $B = \frac{A}{C} - D$
- e. None of these
- f. I don't know

11) Solve the equation $3(x - 4) = x + 8$ for x .

- a. $x = -2$ b. $x = -1$ c. $x = 6$
d. $x = 7$ e. $x = 10$ f. I don't know

12) Simplify $5a + 7b - (3a - 4b + c)$ to an equivalent expression.

- a. $2a + 11b - c$ b. $14abc$ c. $13ab - c$
d. $2a + 3b - c$ e. $2a + 3b + c$ f. I don't know

13) Find the sum of the polynomials $5x - 3z + 4$ and $5x + 2y - 7$.

- a. $(5x)^2 - 3z + 2y - 3$ b. $10x^2 - 3z + 2y - 3$ c. $10x - zy - 3$
d. $10x - 3z + 2y - 3$ e. None of these f. I don't know

14) Which of the following is a factor of the polynomial $x^2 + 4$?

- a. $x + 4$ b. x c. $x + 2$
d. $x - 2$ e. None of these f. I don't know

15) Expand $2x^5(x^2 + 3x - 1)$ to an equivalent expression.

- a. $2x^7 + 6x^6 - 2x^5$ b. $2x^7 + 6x^5 - 2x^5$ c. $2x^{10} + 6x^5 - 1$
d. $2x^{10} + 6x^5 - 2x^5$ e. None of these f. I don't know

16) A theater sells adult tickets for \$8 and children's tickets for \$5. If a total of \$236 was taken in on sales of 34 total tickets, then how many adult tickets were sold?

- a. 12 b. 22 c. 15
d. 17 e. None of these f. I don't know

