

Revision worksheet for Term-1

What does the algebraic expression $4d$ say in words?

- A. The sum of d and 4
- B. 4 times d
- C. 4 increased by d
- D. The quotient of d and 4

$$27 \div 3 + (12 - 4) =$$

A $\frac{-11}{5}$

B $\frac{27}{11}$

C 17

D 25

Rewrite the expression $(8 - 3p)(-2)$ using the distributive Property.

- A. $-16 + 6p$
- B. $-10p$
- C. $16 - 6p$
- D. $10p$

Find the value of the expression $a^2 + 2ab + b^2$ if $a = 6$ and $b = 4$.

- A. 68
- B. 92
- C. 100
- D. 121

Three palm trees have different heights. Their heights are consecutive integers. The total of the heights is 18. Which equation represents this situation?

A. $x + 3 = 18$

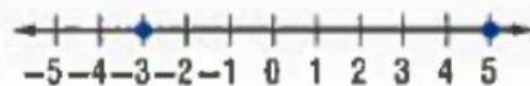
B. $3x + 3 = 18$

C. $3x = 18$

D. $x - 3 = 18$



Write an equation involving absolute value for the graph.



A. $|x - 1| = 4$

B. $|x + 1| = 4$

C. $|x - 1| = -4$

D. $|x - 4| = 1$

Solve the Equation: $|5t + 4| = -1$

A. $\{-1\}$

B. $\{-1, 1\}$

C. $\{0, 2\}$

D. *no solution*

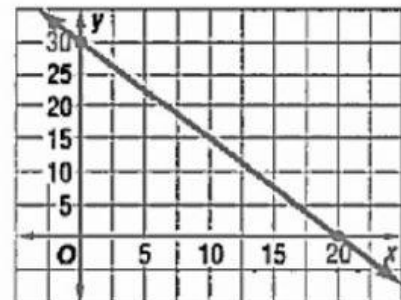
Find the x - and y -intercepts of the line graphed at the right.

A x -intercept is 0; y -intercept is 30.

B x -intercept is 20; y -intercept is 30.

C x -intercept is 20; y -intercept is 0.

D x -intercept is 30; y -intercept is 20.



Find the x - and y -intercepts of the graph of each linear function.

- A** x -intercept is 0; y -intercept is 0.
- B** x -intercept is 12 ; y -intercept is -24.
- C** x -intercept is -12 ; y -intercept is -24.
- D** No x -intercept; y -intercept is -24.

Position of Scuba Diver	
Time (s)	Depth (m)
x	y
0	-24
3	-18
6	-12
9	-6
12	0

What are the x - and y -intercepts of the graph of the function?

- A** -3, 6
- B** 6, -3
- C** 3, -6
- D** -6, 3

