

## The NTID Math Test

The NTID Math Test is a two-hour test that measures your math ability. It is designed to place you in a right math course. There are 50 questions covering Prealgebra to Precalculus and 7 questions on Trigonometry. All questions are multiple-choice. The high school/college math courses will be reviewed along with your placement result to make the final course placement.

Here is a suggested website you can use to review different level of mathematics:

[www.sparknotes.com/math](http://www.sparknotes.com/math)

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Below are several examples.

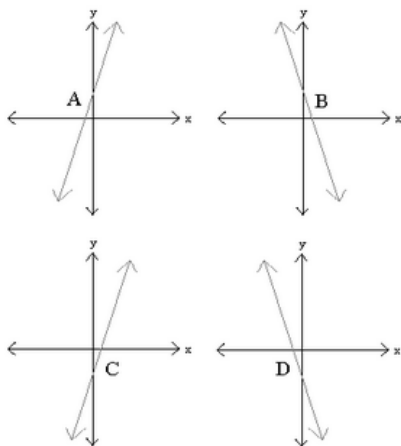
### Example 1: Prealgebra

Solve for  $y$  in  $2y + 5 = -3y - 10$ .

- (A)  $y = -3$
- (B)  $y = 3$
- (C)  $y = -1$
- (D)  $y = 1$

### Example 2: Beginning Algebra

Which of the following could be a graph of  $y - 3 = 2x$ ?



- (A) A
- (B) B
- (C) C
- (D) D

**Example 3: Advanced Algebra**

Factor  $15x^2 - x - 6$ .

- (A)  $15(x - 3)(x + 2)$
- (B)  $(3x + 2)(5x - 3)$
- (C)  $(3x - 2)(5x + 3)$
- (D)  $(5x - 6)(3x + 1)$

**Example 4: Precalculus**

If  $f(x) = 3x - 7$  and  $g(x) = x^2 - 1$ , what is  $g \circ f(x)$ ?

- (A)  $3x^2 - 10$
- (B)  $3x^2 - 7x - 1$
- (C)  $9x^2 - 42x + 48$
- (D)  $3x^3 - 7x^2 - 3x + 7$