



# TRANSLATING PHRASES

Name \_\_\_\_\_

Score \_\_\_\_\_

AE:21

Translate the phrases into algebraic expressions.

1) a square minus b is multiplied by seven

2) Four times j plus one part of k

3) Subtract the ratio of n and eight from the ratio of m and three

4) Six taken away by the sum of p cube and q cube

5) v divides the total of w cube plus four

6) Subtract one part of s from t square

7) Product of c cube and d

8) Three times g plus two times h

9) x square reduced by y cube

10) Ratio of c and d



# TRANSLATING PHRASES

Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

AE:21

Translate the phrases into algebraic expressions.

1) a square minus b is multiplied by seven

$$7(a^2 - b)$$

2) Four times j plus one part of k

$$4j + \frac{1}{k}$$

3) Subtract the ratio of n and eight from the ratio of m and three

$$\frac{m}{3} - \frac{n}{8}$$

4) Six taken away by the sum of p cube and q cube

$$(p^3 + q^3) - 6$$

5) v divides the total of w cube plus four

$$\frac{w^3 + 4}{v}$$

6) Subtract one part of s from t square

$$t^2 - \frac{1}{s}$$

7) Product of c cube and d

$$c^3d$$

8) Three times g plus two times h

$$3g + 2h$$

9) x square reduced by y cube

$$x^2 - y^3$$

10) Ratio of c and d

$$\frac{c}{d}$$