

SANTA BARBARA CITY COLLEGE
TEST #1 – SAMPLE QUESTIONS

This test will assess your arithmetic and pre-algebra skills for placement into **BASIC MATH** (Math 1), **PRE-ALGEBRA** (Math 4), or **ELEMENTARY ALGEBRA** (Math 100). Eligibility for these courses will be based on scores achieved on the 45-minute, 50-item Algebra Readiness Test.

More extensive study packets are available in the Campus Bookstore.

PLEASE NOTE: CALCULATORS ARE NOT ALLOWED AT ASSESSMENT TESTING. IT IS BEST TO STUDY WITHOUT THE AID OF A CALCULATOR.

1. 0.29 can be written as:

(A) $2\frac{9}{100}$

(B) $\frac{29}{100}$

(C) $\frac{29}{10}$

(D) $2\frac{9}{10}$

2. $4 + 2 \times 6 =$

(A) 36

(B) 12

(C) 16

(D) 48

3. $0.111 + 12.2 + 3.12 =$

(A) 15.431

(B) 16.43

(C) 435.2

(D) 43.511

4. $\frac{6}{7} \div \frac{2}{9} =$

(A) $\frac{4}{21}$

(B) $\frac{15}{14}$

(C) $\frac{3}{7}$

(D) $\frac{27}{7}$

5. $(-3) - [3(-4) + 7] =$

(A) -22

(B) 16

(C) 2

(D) -8

6. 16 is 8% of what number?

(A) 80

(B) 20

(C) 4.8

(D) 200

7. If $x = 2$, then $\frac{2+5x}{2+x} =$

(A) 3

(B) $\frac{11}{3}$

(C) 5

(D) $\frac{7}{2}$

8. $3^7 \cdot 3^3 =$

(A) 3^{10}

(B) 3^{21}

(C) 9^{10}

(D) 9^{21}

9. $4\frac{3}{5} + 1\frac{4}{15} =$

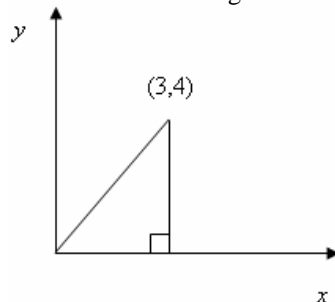
(A) $5\frac{7}{15}$

(B) $5\frac{7}{20}$

(C) $5\frac{13}{15}$

(D) $5\frac{4}{25}$

10. The area of the figure below is



(A) 5

(B) 6

(C) 12

(D) 15

ANSWERS: (1) B (2) C (3) A (4) D (5) C (6) D (7) A (8) A (9) C (10) B