

ALGEBRA READINESS SAMPLE QUESTIONS

The **ALGEBRA READINESS** (white cover) test will assess: Arithmetic (Math 20) or pre-algebra (Math 30) or Elementary Algebra (Math 100) or Basic Algebra with applications (Math 105) or Math for Technical Fields (Math 106). This is a 45minute 50 question readiness assessment. **Calculators are not allowed.**

1. .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. $.111 + 12.2 + 3.12 =$

(A) 15.431 (B) 16.43 (C) 435.2 (D) 43.511

4.

$\frac{6}{7} + \frac{2}{9} =$ (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) $\frac{7}{2}$

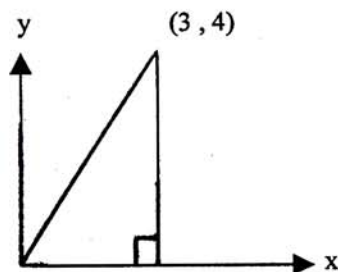
8. $3^7 \cdot 3^3 =$

(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