

Math C

Unit 1 Quiz (practice test)

1. Which of the following IS a prime factor of 39?
a) 2 b) 3 c) 5 d) 7
2. Which of the following IS a prime factor of 154?
a) 3 b) 4 c) 9 d) 11
3. Which of the following is NOT a prime factor of 84?
a) 13 b) 3 c) 7 d) 2
4. Which of the following is the prime factorization of 72?
a) $2^2 \cdot 3^2$ b) $2^2 \cdot 3^3$ c) $2^3 \cdot 3^2$ d) $2^3 \cdot 3^3$
5. What is the slope of the line that contains the points (3, 7) and (8, 9)?
a) $\frac{2}{5}$ b) $\frac{5}{2}$ c) $\frac{16}{11}$ d) $\frac{11}{16}$
6. What is the slope of the line that contains the points (3, -4) and (-4, -5)?
a) $\frac{1}{7}$ b) $-\frac{1}{7}$ c) $\frac{9}{7}$ d) $-\frac{9}{7}$
7. What is the slope of a line with an x -intercept of 4 and a y -intercept of -7?
a) $-\frac{7}{4}$ b) $-\frac{4}{7}$ c) $\frac{4}{7}$ d) $\frac{7}{4}$
8. What is the slope of a line with an x -intercept of -6 and a y -intercept of -10?
a) $-\frac{3}{5}$ b) $\frac{3}{5}$ c) $\frac{5}{3}$ d) $-\frac{5}{3}$
9. Determine the x -intercept of $3x - 4y = 48$.
a) -16 b) 16 c) 12 d) -12
10. Determine the y -intercept of $4x + 3y = -36$.
a) 9 b) -9 c) -12 d) 12