

Test 1 Review

Basic Information

Where: CASA Testing Center

Time: 50 minutes

Number of questions: 14

12 Multiple Choice Questions

2 Free Response Questions

For the free response part, please show your work neatly. Do not skip steps.

Do not forget to reserve a seat for Test – 1.

Do not forget to go to CASA for fingerprint/picture process before your test date.

Remember the make-up policy: NO MAKE UPS!

Example 1: Simplify the following.

a. $\frac{1}{3} + \frac{2}{5} =$

b. $\frac{3}{5} + \frac{2}{15} + \frac{7}{10} =$

c. $3\frac{1}{4} - 2\frac{3}{5} =$

Test 1 Review

Example 2: Simply.

$$\frac{3}{5} \cdot \frac{4}{7} =$$

$$\frac{18}{7} \cdot \frac{56}{81} =$$

$$\frac{9}{4} \div \frac{3}{16} =$$

$$\frac{5}{9} \div 25 =$$

$$\frac{\left(\frac{7}{3}\right)}{\left(\frac{49}{9}\right)} =$$

Test 1 Review

Example 3: Simplify

$$\sqrt{80} =$$

$$\sqrt{135} =$$

Example 4: Simplify. Your answer should contain no negative exponents

$$\frac{x^4 y^{14} z^5}{x^7 y^3} =$$

$$(3a^{-2}b^4)^{-3}$$

$$\frac{w^4 w^7 u^5}{u^{14}} =$$

Test 1 Review

Example 5: Evaluate.

$$5(3 - (4 - 7)^2) + 18 =$$

$$32 \div 16 \cdot 2 + (7 - 6^2) =$$

Example 6: Solve for x.

$$-\frac{3}{13}x = 9$$

$$3x + \frac{4}{15} = \frac{3}{10}$$