

Test 2 Review

Basic Information

Where: CASA Testing Center (222 Garrison Gym)

Time: 50 minutes

Number of questions: 13

12 Multiple Choice Questions (total of 90 points)

1 Free Response Questions (total of 10 points)

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

Do not forget to reserve a seat for Test – 2.

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

Remember the make-up policy: NO MAKE UPS!

1. $4x - 9 \geq 9x + 6$

2. $-2 \leq \frac{1}{5}(3x - 6) < 4$

Test 2 Review

3. $|x - 7| = 12$

4. $|2x + 3| = 11$

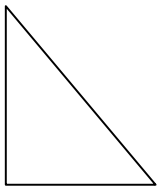
5. Find the midpoint of the line segment joining the points $(2, 4)$ and $(5, -8)$.

Test 2 Review

6. Use the distance formula to find the distance between the two points $(-5, -2)$ and $(-8, -4)$.

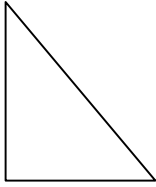
7. What is the slope of the line through the points $(8, -2)$ and $(-4, -6)$?

8. Given that $x = 4$ and $z = 8$ in the right triangle below, use the Pythagorean Theorem to find the missing side y .



Test 2 Review

9. Given that $x = 6$ and $z = 9$ in the right triangle below, use the Pythagorean Theorem to find the missing side y .



10. State the coordinates of the x and y -intercepts of the following lines:

a. $-4x - 5y = 2$

b. $5x + 2y = 3$