

Performance Tasks

Algebra II, Unit 1: Systems of Equations and Inequalities

Directions: Please solve the following problems individually or with your peers. Use a whiteboard to share your ideas.

Task A (50 pts): Show all your work on paper. You can scan the paper or take a picture of your work then upload it to your e-portfolio. Yes, you must attempt to solve ALL the problems below.

Task B (50 pts): Among the problems below, pick three of the problems you feel most comfortable to share your approach. Film yourself explaining. Assume that you are teaching someone who have not studied this unit. Edit the video if necessary, then upload it to your e-portfolio. Your peers will evaluate your teaching.

1. Susie pays for 4 muffins and 3 bananas. Calvin spends twice as much paying for 2 muffins and 16 bananas. A muffin is how many times as expensive as a banana?

(A) $\frac{3}{2}$

(B) $\frac{5}{3}$

(C) $\frac{7}{4}$

(D) 2

(E) $\frac{13}{4}$

$$4x + 3y = 5$$

$$2x + 16y = 25$$

$$1) x = y$$

$$2(4x + 3y = 5)$$

$$-8x - 6y = -25$$

$$2x + 16y = 25$$

$$-6x + 10y = 0$$

$$10y = 6x$$

$$2$$

$$5y = 3x$$

$$3$$

$$\frac{5}{3} y = x$$

Prentice Hall Algebra Chapter Performance Tasks Answers

Yicheng Fang



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