## Vo calculators

boxes

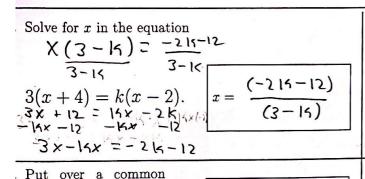
provided on this page.

coring: A question is eigher completely correct (1 point) or wrong (0 points).

you score under 4 on this test, you should consider dropping the class.

you score 4-7, seek help NOW: maybe enroll in CLAS?

you score 8-10, congratulations! You are ready for Math 34A.



denominator and simplify.  $2x + 3 \quad 3x + 2$ 

(×+9)

4. What is 25% of 4/3 of 12?

4

3 5

Calculate

$$\frac{20}{\left(16 - \left(\frac{1}{3} - \frac{1}{4}\right)^{-1}\right)^2}$$

5

6. A car travels at 50 mph for 3 hours and at 60 mph for the rest of the journey. The length of the journey is 270 miles. How many hours did the entire journey take?

5 hours

Solve for x and y

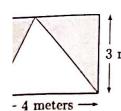
$$3x - 5y = -2$$
$$x + y = 10$$

$$x = 6$$

8. An entrepreneur bought 7 tons of apples for \$100 per ton. She sold half the apples at a price of \$200 per ton. She sold another ton for \$150. The remainder she sold at \$100 per ton. How much profit did she make?

\$ 400

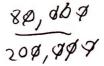
What is the area of the shaded region?



3 meters

6 square meters

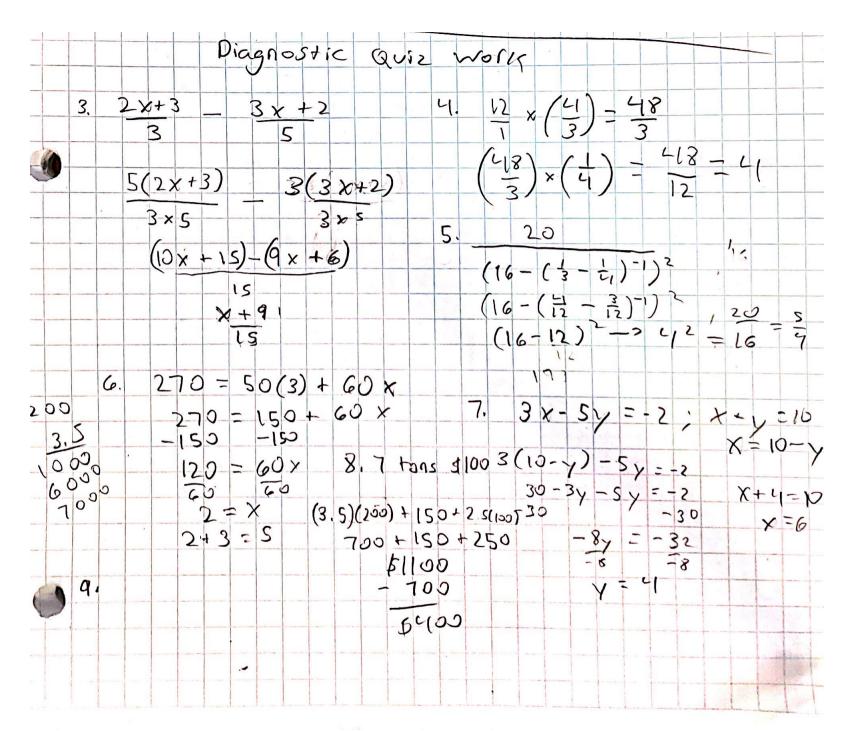
10. If I earn \$200,000 and pay \$80,000 in tax, what percentage of what I earn do I keep?



60

%

8 = 1 = 40% tax



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