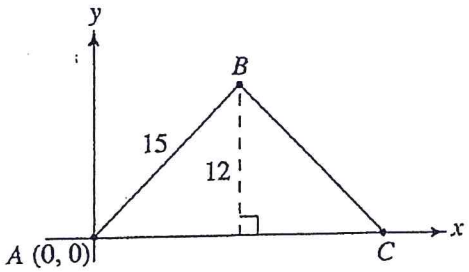
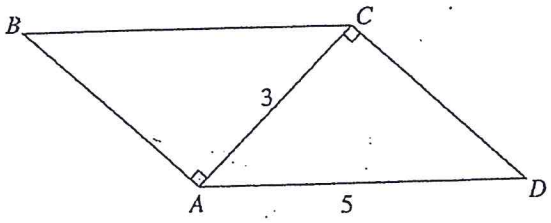


5. In the figure above, side $\overline{AB}$ of $\triangle ABC$ contains which of the following points?

(A) (3, 2)
(B) (3, 5)
(C) (4, 6)
(D) (4, 10)
(E) (6, 8)



Note: Figure not drawn to scale.

7. In parallelogram $ABCD$ above, $AC = 3$ and $AD = 5$. What is the area of $ABCD$?

(A) 12
(B) 15
(C) 18
(D) 20
(E) It cannot be determined from the information given.

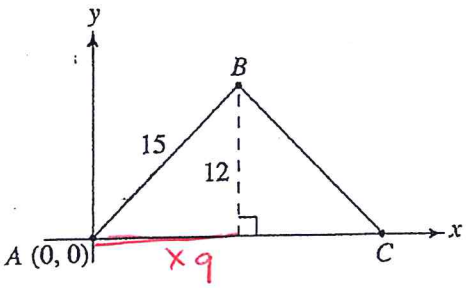
8. The recipe for a pie recommends that the pie be baked for at least 50 minutes, but not more than 60 minutes. If b is the number of minutes a pie, baked within the recommended time, is baked, which of the following represents all possible values of b?

(A) $|b - 55| = 5$
(B) $|b + 55| < 5$
(C) $|b + 55| > 5$
(D) $|b - 55| < 5$
(E) $|b - 55| > 5$

10. When n is divided by 5, the remainder is 4. When n is divided by 4, the remainder is 3. If $0 < n < 100$, what is one possible value of n ?

Bellwork Hon Alg 2 Tuesday, October 18, 2016

Answers



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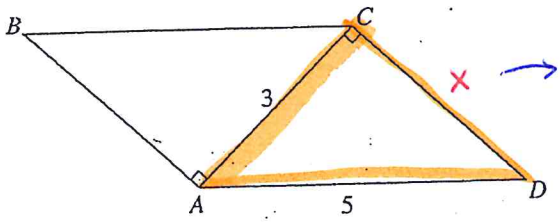
this is the only point on the line $y = 4/3x$



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Area of ll-gram = $l \cdot w$ or $b \cdot h$
if 3 is the height then $\overline{CD}$ is the base
$A = (3)(4) = 12$

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(E) $|b - 55| > 5$

minimum 50 min
middle 55min
maximum 60 min
Time must be within 5 min of 55min

10. When n is divided by 5, the remainder is 4. When n is divided by 4, the remainder is 3. If $0 < n < 100$, what is one possible value of n ?

19, 39, 59, 79, 99