74 **An object that is projected straight downward with initial velocity v feet per second travels a distance $s = vt + 16t^2$, where $t =$ time in seconds. If Ramón is standing on a balcony 84 feet above the ground and throws a penny straight down with an initial velocity of 10 feet per second, in how many seconds will it reach the ground?**

A 2 seconds

B 3 seconds

C 6 seconds

D 8 seconds

CSA00158

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75 **The height of a triangle is 4 inches greater than twice its base. The area of the triangle is 168 square inches. What is the base of the triangle?**

A 7 in.

B 8 in.

C 12 in.

D 14 in.

CSA00104

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76 **A rectangle has a diagonal that measures 10 centimeters and a length that is 2 centimeters longer than the width. What is the width of the rectangle in centimeters?**

A 5

B 6

C 8

D 12

CSA10200

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77 **What is $\dfrac{x^2 - 4xy + 4y^2}{3xy - 6y^2}$ reduced to lowest terms?**

A $\dfrac{x-2y}{3}$

B $\dfrac{x-2y}{3y}$

C $\dfrac{x+2y}{3}$

D $\dfrac{x+2y}{3y}$

CSA00463

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78 **Simplify $\dfrac{6x^2 + 21x + 9}{4x^2 - 1}$ to lowest terms.**

A $\dfrac{3(x+1)}{2x-1}$

B $\dfrac{3(x+3)}{2x-1}$

C $\dfrac{3(2x+3)}{4(x-1)}$

D $\dfrac{3(x+3)}{2x+1}$

CSA10025

Answers

74	*A*
75	*C*
76	*B*
77	*B*
78	*B*