

Geometry Final Spring 2021 Form A

1. Expand or Multiply (FOIL): $(2x - 7)(x + 3)$

A. $2x^2 - x - 21$ B. $2x^2 + x - 21$ C. $2x^2 - 21$ D. $-42x^2$

Commented [P1]: To turn off these comments:
- Select the "Review" tab.
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Commented [P2]: A

2. Consider the triangle shown below. What is the most appropriate equation to solve for the unknown side marked b in the figure?

A. $b^2 = 19^2 + 15^2$
B. $b^2 = 15^2 + 19^2 - 2(15)(19)\cos 73^\circ$
C. $\frac{b}{\sin 73^\circ} = \frac{19}{\cos 73^\circ}$
D. $\sin 73^\circ = \frac{b}{19}$



Commented [user3]: B

3. Find the value of d .

A. 16
B. 60
C. 158
D. 79



Commented [P4]: A

4. Find the total surface area of the square-based pyramid.

A. 3200 in^2
B. 2880 in^2
C. 816 in^2
D. 456 in^2



Commented [P5]: A

5. Find the equation of the circle with center $(3, -4)$ and radius 6.

A. $(x - 3)^2 + (y + 4)^2 = 6$
B. $(x + 3)^2 + (y - 4)^2 = 6$
C. $(x - 3)^2 + (y + 4)^2 = 36$
D. $(x + 3)^2 + (y - 4)^2 = 36$

Commented [P6]: C

6. Simplify: $\sqrt{75}$

A. $3\sqrt{5}$ B. $5\sqrt{3}$ C. $25\sqrt{3}$ D. It is already simplified.

Commented [P7]: B

Geometry Final Exam With Answers

CH Cherryholmes



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