

Geometry**Unit Three: Post-Assessment (HW6)**

Name: _____

Date: _____ Period: _____

1. Simplify the following radical expressions.

a) $\sqrt{50} + \sqrt{12}$

b) $\sqrt{45} + \sqrt{125}$

2. Solve for x

a) $x^2 + 7x + 12 = 0$

b) $x^2 - 3x = 10$

3. Solve for the variable (round to 2 decimal places)

a) $\frac{\sin 38}{9} = \frac{\sin 46}{c}$

b) $\frac{\sin 72}{14} = \frac{\sin A}{12}$

c) $a^2 = 18^2 + 11^2 - 2(18)(11)\cos 28$

d) $19^2 = 17^2 + 15^2 - 2(17)(15)\cos B$

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4. Draw and then find the volume of a box which is 10 cm long, 12 cm tall, and 3 cm wide.

5. Match the following with the appropriate description.

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___ 3. Volume

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B) Distance around a 2-D figure

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