

Math 3010 Fall 2009

Fourth Assignment

1. p. 29 #26 (find a Pythagorean triple via the Babylonian method with $v+u=1 \frac{4}{5}$).
2. Prove that $\log_2 3$ is irrational.
3. p. 47 #9-11
4. Find a formula for the length of the interior diagonals of a rectangular prism with sides a, b, c .
5. On an episode of *The Simpsons*, the formula $1782^{12}+1841^{12}+1922^{12}$ floats by on the screen. Give an elementary reason this formula could not be true, and explain how it is related to class.

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6. p. 29 #26 (find a Pythagorean triple via the Babylonian method with $v+u=1 \frac{4}{5}$).
7. Prove that $\log_2 3$ is irrational.
8. p. 47 #9-11
9. Find a formula for the length of the interior diagonals of a rectangular prism with sides a, b, c .
10. On an episode of *The Simpsons*, the formula $1782^{12}+1841^{12}+1922^{12}$ floats by on the screen. Give an elementary reason this formula could not be true, and explain how it is related to class.

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11. p. 29 #26 (find a Pythagorean triple via the Babylonian method with $v+u=1 \frac{4}{5}$).
12. Prove that $\log_2 3$ is irrational.
13. p. 47 #9-11
14. Find a formula for the length of the interior diagonals of a rectangular prism with sides a, b, c .
15. On an episode of *The Simpsons*, the formula $1782^{12}+1841^{12}+1922^{12}$ floats by on the screen. Give an elementary reason this formula could not be true, and explain how it is related to class.

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16. p. 29 #26 (find a Pythagorean triple via the Babylonian method with $v+u=1 \frac{4}{5}$).
17. Prove that $\log_2 3$ is irrational.
18. p. 47 #9-11
19. Find a formula for the length of the interior diagonals of a rectangular prism with sides a, b, c .
20. On an episode of *The Simpsons*, the formula $1782^{12}+1841^{12}+1922^{12}$ floats by on the screen. Give an elementary reason this formula could not be true, and explain how it is related to class.