

Pre-Algebra Homework #5

- 1) Simplify: $.067(.00986)$
- 2) Simplify: $1.83065 \div 38.95$
- 3) Simplify: $(.03)^4$
- 4) Simplify: $\sqrt[3]{.000216}$
- 5) Simplify $19.07 - 2.4(3.56) + 4.8(6.03 - 3.61)^2$
- 6) Simplify: $2.9(5.36 - 2.47)^2 - (.4)^3 - 1.8(6.09)$
- 7) Simplify: $4.9(7.06) - (.3)^4 - 3.6(4.59 - 1.82)^2$
- 8) Simplify: $5.9(9.06) - (.2)^4 - 3.7(7.09 - 5.8)^2$
- 9) Convert 80 miles per hour into feet per second
- 10) Solve: $\frac{72}{48} = \frac{54}{64x}$
- 11) Convert 96 inches per second into miles per hour
- 12) Convert 7 feet 5 inches into feet.
- 13) Solve: $\frac{156x}{306} = \frac{234}{408}$
- 14) If you are riding a bicycle at a rate of 15 yards per second, how fast are you going in miles per hour?
- 15) Change $5\frac{1}{5}$ into a percent.
- 16) 210 is what percent of 64?
- 17) Change 458% into a decimal.
- 18) 32% of what number is 80?
- 19) Change $4\frac{1}{4}\%$ into a fraction.
- 20) 36 is what percent of 162?

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