**Exercise on Lesson 6**

1. Write code that will take the square root of *x* and store the result in *y*.

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2. Write code that will multiply the value of the integer *j* times the absolute value of the integer *m* and then store the result in the integer *k*.

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3. Is the following legal? If not, what would you do to make it legal?

int k = Math.abs(-127.5);

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4. Write a statement that will print the result of 21.5.

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5. System.out.println( Math.ceil(-157.2) );

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6. System.out.println( Math.floor(-157.2) );

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7. System.out.println( Math.ceil(157.2) );

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8. System.out.println( Math.floor(157.2) );

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9. System.out.println( Math.round(-157.2) );

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10. System.out.println( Math.ceil(-157.7) );

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11. System.out.println( Math.ceil(157) );

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12. System.out.println( Math.ceil(157.7) );

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13. Write a statement that will print the natural log of 18…. same as ln(18) on a calculator.

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14. Write a line of code that multiplies *double p* times π and stores the result in *b*.

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