Math 9: Unit 6 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_­\_\_\_\_

Practice Test

Solve for the unknown.

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| 1.
 | 1.
 | 1.
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| 1.
 | 1. Solve
 | 1. Spot the error and solve correctly

$$-\frac{m}{3}-5=25$$$$-m-5=75$$$$-m=80$$$$m=-80$$ |

7. Translate the following from words to mathematical equations with one variable. You do not need to solve the equations. (1 mark each)

a) Seventeen more than three times a number is eighty.

b) Three consecutive odd numbers have a sum of 309.

12. Solve the following word problems. Each answer must have a let statement defining the variable used, an equation, and a solution for full marks. (4 marks each)

a) Kevin has some dimes and quarters with a total value of $2.50. If he has three more quarters than dimes, how many of each coin does he have?

b) At a particular store, DVDs cost $14 for the first one and $12 for each addition one. If Jessica spends $86, how many DVDs does she buy?

c) Find three consecutive integers such that the sum of the first and second is 9 more than half of the third integer.