Math 9   *Name:* _____

Practice Test – Unit 3   *Date:* _____

Do not use a calculator!

1. Order the following from least to greatest: $0.3, \ -2.\overline{5}, \ \dfrac{3}{8}, \ -\dfrac{5}{2}, \ \dfrac{7}{5}$

2. In each pair, which number is greater? Explain your answer.

   a. $-\dfrac{9}{7}, \ -\dfrac{7}{9}$

   b. $-7.0\overline{5}, \ -7.05$

3. Write three rational numbers between -5.6 and -5.5 .

4. Evaluate:

   a. $2\dfrac{2}{5} + \left(-4\dfrac{1}{2}\right)$

   b. $-6\dfrac{3}{8} + \left(-1\dfrac{1}{5}\right)$

   c. $3\dfrac{2}{7} - 4\dfrac{3}{5}$

   d. $3\dfrac{1}{4} - \left(-2\dfrac{2}{3}\right)$

   e. $\dfrac{2}{5} \times \left(\dfrac{-1}{2}\right)$

   f. $\left(-\dfrac{21}{4}\right) \times \left(-\dfrac{8}{35}\right)$

   g. $\left(-4\dfrac{3}{5}\right)\left(-2\dfrac{5}{12}\right)$

   h. $\left(-\dfrac{2}{3}\right) \div \left(\dfrac{5}{6}\right)$

   i. $\left(-\dfrac{6}{4}\right) \div \left(-\dfrac{5}{12}\right)$

   j. $\left(5\dfrac{3}{7}\right) \div \left(-2\dfrac{5}{7}\right)$

   k. $-2.7 + (-3.1)$

   l. $-5.3 + 7.8$

   m. $-4\dfrac{2}{3} \div \left[\left(-\dfrac{1}{3}\right) + 4\dfrac{1}{6}\right] + \left(-3\dfrac{2}{5}\right)$