Gillespie

Name _____

Score: $\dfrac{}{5}$

Course 3: Learning Check Ch1c

Rational Numbers

Directions: When working each of the following questions, be sure to show all work.

1) Express b^{-5} using a positive exponent.

a) $\dfrac{1}{b^{-5}}$

b) b^5

c) $\dfrac{1}{b^5}$

d) *none of the above*

2) Evaluate $4s^0$

a) 0

b) 1

c) 4

d) *undefined*

3) Express 3.26×10^{-4} in standard decimal notation form.

a) 0.000326

b) 0.00326

c) 326

d) 32,600

4) Express 0.00013 in scientific notation.

a) 0.00013×10^4

b) 0.13×10^3

c) 1.3×10^{-4}

d) 1.3×10^4

5) Express 22,350 in scientific notation.

a) 0.2235×10^{-5}

b) 2.235×10^3

c) 2.235×10^4

d) 2.235×10^5