

Gillespie

Course 3: Learning Check Ch1b

Rational Numbers

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

1) Express $-2\frac{1}{9}$ as a decimal

a) -2.1

b) 2.1

c) $-2.\bar{1}$

d) $2.\bar{1}$

2) Express -6.66 as a fraction or mixed number in simplest form

a) $-6\frac{2}{3}$

b) $-6\frac{33}{50}$

c) $-6\frac{66}{100}$

d) $6\frac{66}{100}$

3) Simplify $-(5)^2$

a) -25

b) 25

c) -10

d) 10

4) Simplify $\left(\frac{2}{3}\right)^2$

a) $\frac{4}{9}$

b) 0.66

c) $\frac{4}{3}$

d) $\frac{2}{9}$

5) Simplify $(-5)^3 + (5)^2$

a) -150

b) -100

c) 100

d) 150