

A) Classify the following numbers. There will be more than one classification for each number.

a. 8: _____

b. -25: _____

c. $17\frac{1}{2}$: _____

d. -2.3: _____

e. 0: _____

f. $-8\frac{3}{4}$: _____

g. 14.57: _____

h. 7.436821985438...: _____

i. -23.4545454545...: _____

j. $620.\overline{386}$: _____

B) Give the opposite for the numbers listed below:

a. 82: _____

b. -25: _____

c. -75: _____

d. $34\frac{1}{2}$: _____

e. 7.345: _____

f. 115: _____

g. 92: _____

h. -24.8: _____

i. 0: _____

j. $-4\frac{3}{8}$: _____

c) Use an integer to represent the situation:

- a. 5 units to the left of zero: _____
- b. the opposite of 16: _____
- c. 19 feet above sea level: _____
- d. 20 miles underground: _____
- e. a loss of 25 yards: _____
- f. a gain of 35 pounds: _____
- g. 8° below zero: _____
- h. an increase of \$18: _____
- i. a gain of 9 yards: _____
- j. the opposite of -16: _____
- k. a debt of \$15: _____
- l. two floors down: _____
- m. move to the left 10 steps: _____
- n. fifteen miles uphill: _____
- o. slide to the right 6 seats: _____
- p. winning \$25: _____
- q. losing \$0.50: _____
- r. market went up 2.8 points: _____
- s. temperature dropped 15° : _____
- t. gained 10 yards and then lost 10 yards: _____