

**Do Now: Word problem Wednesday**

1. A landscaping crew charges \$80 plus \$40 per hour. The total for one customer was \$200. How many hours did the crew work?

(a) Mark the text of the problem and then complete the values:

Starting point = \_\_\_\_\_

Rate of change = \_\_\_\_\_

Total = \_\_\_\_\_

(b) Write an equation for the problem of the form  $y = mx + b$ . Solve.

(c) Check the answer

**Rational & Irrational numbers**

2. Rational numbers are fractions. Irrational numbers can not be fractions.

(a) Rationals: 3, -12, 7.1,  $\sqrt{25}$

(b) Irrationals:  $\sqrt{2}$ ,  $5\sqrt{3}$ ,  $1 - \sqrt{2}$ ,  $\pi$

3. Copy each problem for practice.

(a)  $3.3 = \frac{33}{10}$  Rational. It can be expressed as a fraction.

(b)  $1 + \sqrt{3} = 2.73205...$  Irrational. It can NOT be expressed as a fraction.