

Name: \_\_\_\_\_

## Translating Word Problems

Date/Period: \_\_\_\_\_

### *Practice writing equations and expressions from verbal descriptions:*

- 1) Two less than a number
  - 2) Jamal is 3 years older than Sonia
  - 3) 4 more than twice a number
  - 4) My jacket cost twice as much as my shoes
  - 5) The temperature has dropped 15 degrees since noon
  - 6) Jill has gained 30 pounds since last year.
- 1) Mike's Towing Company charges \$60 to hook a vehicle to the truck and \$1.50 for each mile the vehicle is towed. Which equation best represents the relationship between the number of miles towed,  $m$ , and the total charges,  $c$ ?
    - a.  $c = 60m + 1.50$
    - b.  $c = 60m + 1.50$
    - c.  $c = 60 + 1.50$
    - d.  $c = 60 + 1.50m$
  - 2) At the beginning of the school year, teachers had 260,000 sheets of copier paper to use. If about 1500 sheets of paper are used each day during a school year, which equation best describes  $s$ , the number of sheets that are left after  $d$  days of school?
    - a.  $s = 260,000d - 1500d$
    - b.  $s = 260,000d + 1500d$
    - c.  $s = 260,000 - 1500d$
    - d.  $s = 260,000 + 1500d$
  - 3) The Georgia Peach Company ships peaches in wooden boxes. An empty wooden box has a mass of 2.5 kilograms. The peaches have an average mass of 0.15 kilogram each. Which equation expresses  $m$ , the total mass of a box of peaches, in terms of  $p$ , the number of peaches in the box?
    - a.  $m = 0.15 - 2.5p$
    - b.  $m = 0.15p - 2.5$
    - c.  $m = 0.15 + 2.5p$
    - d.  $m = 0.15p + 2.5$