<u>6th Review #38</u> – WORK MUST BE SHOWN FOR EACH PROBLEM – NO CALCULATORS

Name_____

1) $\frac{4}{6} \times \frac{1}{3}$
(model; then check by shortcut)

2) $6 \div \frac{5}{6}$
(model; then check by shortcut)

3) Model to find the product:

$\frac{1}{2} \bullet \frac{4}{7}$

4) $9 \times \frac{2}{3}$
(model; then check by shortcut)

5) $1\frac{1}{3} \times \frac{3}{8}$
(model; then check by equation)

6) $2 \div \frac{1}{5}$
(model; then check by shortcut)

Adv. Review #38 (7th grade SOLs)
SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. The highest recorded temperature in Alaska is 100 degrees Fahrenheit. The lowest is -80 degrees Fahrenheit. What is the difference from the low temperature to the high temperature?

8. Solve the following:

$\sqrt{100} =$ _____

$\sqrt{361} =$ _____

$\sqrt{324} =$ _____

$\sqrt{9} =$ _____

9. Model the following expression with a number line; then solve.

-12 + 2

10.

A hardware store sells boxes of nails. The nails are $\frac{5}{8}$, $\frac{9}{16}$, $\frac{3}{4}$, and $\frac{1}{2}$ inch in length. If the boxes of nails are to be arranged by nail size from least to greatest, which of the following is the correct order?

A. $\frac{1}{2}, \frac{3}{4}, \frac{5}{8}, \frac{9}{16}$

B. $\frac{1}{2}, \frac{9}{16}, \frac{5}{8}, \frac{3}{4}$

C. $\frac{3}{4}, \frac{5}{8}, \frac{9}{16}, \frac{1}{2}$

D. $\frac{3}{4}, \frac{9}{16}, \frac{5}{8}, \frac{1}{2}$