Name: _____

7th Grade Weekly Math Review Week 20

Solve each problem. Show your work.

1. $(7 - 4) \times (8 + 3) =$ _____

2. $-|30| =$ _____

3. $2(x + 5) =$ _____

4. y is proportional to x. When x = 4, y = 12. Find the constant of proportionality k and write the equation.

   Answer: _____

5. $\frac{1}{4} \times (- \frac{3}{5}) =$ _____

6. $(-10) \times 9 =$ _____

7. y is proportional to x. When x = 5, y = 40. Find the constant of proportionality k and write the equation.

   Answer: _____

8. $\frac{5}{6} + (- 2\frac{1}{2}) =$ _____

9. Solve the inequality: $x + 10 \geq 40$

   Answer: _____

10. $9x + 15 = -48 \quad x =$ _____

11. $6x + 10 = -8 \quad x =$ _____

12. Solve the inequality: $x + 11 > 26$

    Answer: _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 20

Solve each problem. Show your work.

1. $(7 - 4) \times (8 + 3) =$ 33

2. $-|30| =$ −30

3. $2(x + 5) =$ 2x + 10

4. y is proportional to x. When x = 4, y = 12. Find the constant of proportionality k and write the equation.

   Answer: k = 3, y = 3x

5. $\frac{1}{4} \times \left(-\frac{3}{5} \right) =$ $-\frac{3}{20}$

6. $(-10) \times 9 =$ −90

7. y is proportional to x. When x = 5, y = 40. Find the constant of proportionality k and write the equation.

   Answer: k = 8, y = 8x

8. $\frac{5}{6} + \left(-2\frac{1}{2} \right) =$ $-1\frac{2}{3}$

9. Solve the inequality: $x + 10 \geq 40$

   Answer: $x \geq 30$

10. $9x + 15 = -48$ x = −7

11. $6x + 10 = -8$ x = −3

12. Solve the inequality: x + 11 > 26

    Answer: x > 15