

Chapter 2 Practice Test

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Date _____ Period _____

Solve each equation.

1) $-39 = x - 19$

2) $\frac{n}{8} = 12$

3) $\frac{a}{2} - 2 = -4$

4) $10 + 10b = 20$

5) $-2 = 3p - 7 + 2p$

6) $221 = -3 + 7(4 + 4x)$

7) $6(n + 2) = -n + 33$

8) $3(m + 3) + 3 = 7(3 - m) + m$

9) $|p| = 9$

10) $|x - 6| = 1$

11) $|8n + 9| = 47$

12) $-8 + |5 + 5a| = 17$

Solve each proportion.

$$13) \frac{p}{10} = \frac{9}{2}$$

$$14) \frac{6}{x} = \frac{5}{3}$$

$$15) \frac{9}{n-3} = \frac{3}{10}$$

$$16) \frac{4}{b-7} = \frac{6}{5}$$

$$17) \frac{3}{6} = \frac{x-6}{x}$$

$$18) \frac{r+5}{r} = \frac{10}{7}$$

$$19) \frac{n+8}{10} = \frac{n+5}{5}$$

$$20) \frac{a+4}{10} = \frac{7a+2}{8}$$