

## Equations Review

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each proportion.**

1)  $\frac{6}{5} = \frac{7}{p}$

2)  $\frac{8}{x} = \frac{9}{8}$

3)  $\frac{3p}{5} = \frac{2}{8}$

4)  $\frac{2}{4} = \frac{5}{a-5}$

**Solve each equation.**

5)  $v + 2 = 18$

6)  $\frac{b}{8} = -2$

7)  $-12 = x - 3$

8)  $-19 = \frac{x}{19}$

9)  $-16k = 272$

10)  $19r = 171$

11)  $15 = 6 + \frac{p}{2}$

12)  $\frac{6+r}{6} = 1$

$$13) \frac{a}{3} + 7 = 10$$

$$14) -5 = -1 + \frac{v}{5}$$

$$15) -89 = -5m - 9$$

$$16) -7m + 9 = 93$$

$$17) 6 - 2p + 1 = 5$$

$$18) x + 5 - 6x = -15$$

$$19) 6v + 8v = -14$$

$$20) 7 = -8x + 7x$$

$$21) -4p + 6p = -6$$

$$22) -98 = 8(1 + 7a) - 3a$$

$$23) 4(1 - 5v) = 124$$

$$24) -72 = 3(x + 2) + 7(1 + 2x)$$

$$25) 12 + 6m = -4m - 6 + 7m$$

$$26) 2b - 1 = 4 + 2b$$

$$27) -6x + 8 = -6x + 8$$

$$28) -16 + 4k = k - 7$$

$$29) -7n - 19 = 3(n - 3)$$

$$30) 11 + 3b = -7 - 8(b + 6)$$